Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Accokeek Creek**

TMDL Group ID: **00816**

VAN-A29R_ACC01A00	Accokeek Creek	STAFFORD CO	Segment begins at the confluence with an unnamed tributary to Accokeek Creek, approximately 0.33 rivermile downstream from Route One at rivermile 8.62, and continues downstream until the end of the free-flowing waters.

VA Overall AU Category: **5A**

Use	Impairment	4.20 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		00816	**2004**	**2016**	Sufficient exceedances of the instantaneous pH criterion (2 of 19 samples - 10.5%) were recorded at DEQ's ambient water quality monitoring station (1AACC006.13) at the Route 608 bridge to assess this stream segment as not supporting of the aquatic life use for the 2006 water quality assessment.

Sources: Source Unknown

TMDL Group ID: **00817**

VAN-A29R_ACC01A00	Accokeek Creek	STAFFORD CO	Segment begins at the confluence with an unnamed tributary to Accokeek Creek, approximately 0.33 rivermile downstream from Route One at rivermile 8.62, and continues downstream until the end of the free-flowing waters.

VA Overall AU Category: **5A**

Use	Impairment	4.20 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00817	**2006**	**2014**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (3 of 9 samples - 33.3%) were recorded at DEQ's ambient water quality monitoring station (1AACC006.13) at the Route 608 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. The segment was previously listed for a fecal coliform bacteria impairment, beginning in 2002.

Sources: Source Unknown

TMDL Watershed Name: **Accotink Creek**

TMDL Group ID: **00313**

VAN-A15R_ACO01A00	Accotink Creek	FAIRFAX CO	Segment begins at the confluence with Calamo Branch and continues downstream until the tidal waters of Accotink Bay.

VA Overall AU Category: **5A**

Use	Impairment	8.62 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		00313	**1998**	**2010**	

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Accotink Creek**

TMDL Group ID: **01784**

VAN-A15R_ACO01A00	Accotink Creek	FAIRFAX CO	Segment begins at the confluence with Calamo Branch and continues downstream until the tidal waters of Accotink Bay.

VA Overall AU Category: **5A**

Use	Impairment	8.62 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		01784	**2004**	**2016**	Although the data obtained during the 2006 assessment window shows exceedances of the instantaneous fecal coliform bacteria criterion (1 of 16 samples - 6.2%) is categorized as fully supporting, no additional data has been collected from the DEQ's ambient water quality monitoring station (1AACO006.10) at Route 790 since the previous assessment window, when the stream reach was first listed as impaired. The segment shall remain categorized as impaired.

Sources: Source Unknown

TMDL Group ID: **60150**

VAN-A15R_ACO04A02	Accotink Creek	FAIRFAX CITY FAIRFAX CO	Segment begins at the confluence with Daniels Run, in the City of Fairfax, and continues downstream until the confluence with Bear Branch.

VA Overall AU Category: **5A**

Use	Impairment	1.19 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		60150	**2004**	**2014**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (13 of 13 samples - 100%) were recorded at USGS monitoring station 01653900 to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. The segment was previously listed for a fecal coliform bacteria impairment, beginning in 2002.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Aquia Creek**

TMDL Group ID: **00811**

VAN-A27R_AUA01A00	Aquia Creek	STAFFORD CO	Segment begins at the confluence with Cannon Creek, approximately 0.1 rivermile downstream from Route 610, and continues downstream until Smith Lake (Aquia Reservoir).

VA Overall AU Category: **5A**

Use	Impairment (6.59 MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	00811	**2006**	**2016**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (3 of 10 samples - 30.0%) were recorded at DEQ's ambient water quality monitoring station (1AAUA014.51) at the Route 641 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.
	Sources: Source Unknown				
Recreation	**Fecal Coliform**	00811	**2004**	**2016**	Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (4 of 18 samples - 22.2%) were recorded at DEQ's ambient water quality monitoring station (1AAUA014.51) at the Route 641 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.
	Sources: Source Unknown				

TMDL Group ID: **00812**

VAN-A28E_AUA01B00	Aquia Creek	STAFFORD CO	Segment extends from rivermile 4.28 to rivermile 3.28 in Aquia Creek encompassing a 0.5-mile radius around station 1AAUA003.71. Portion of CBP segment POTOH.

VA Overall AU Category: **5A**

Use	Impairment (0.37 SQUARE MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Chloride**	00812	**2004**	**2016**	For the 2004 assessment, more than two chloride exceedances were recorded within a three-year period resulting in an assessment of not supporting the aquatic life use goal. While the data within the 2006 assessment period show only one exceedance at DEQ ambient station 1AAUA003.71, the impairment remains because no new data has been collected since the last assessment period. This segment is considered transition zone tidal waters. The Water Quality Standards stipulate that the more stringent of either the freshwater or saltwater criteria apply. Therefore, these waters are listed as impaired. However, a TMDL is not necessary as the chloride levels are attributable to the natural estuarine conditions.
	Sources: Natural Sources				
Wildlife	**Chloride**	00812	**2004**	**2016**	For the 2004 assessment, more than two chloride exceedances were recorded within a three-year period resulting in an assessment of not supporting the aquatic life use goal. While the data within the 2006 assessment period show only one exceedance at DEQ ambient station 1AAUA003.71, the impairment remains because no new data has been collected since the last assessment period. This segment is considered transition zone tidal waters. The Water Quality Standards stipulate that the more stringent of either the freshwater or saltwater criteria apply. Therefore, these waters are listed as impaired. However, a TMDL is not necessary as the chloride levels are attributable to the natural estuarine conditions.
	Sources: Natural Sources				

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Austin Creek**

TMDL Group ID: **00813**

VAN-A28R_AUS01A04	Austin Run	STAFFORD CO	Segment begins at the confluence with an unnamed tributary to Austin Run (streamcode XGQ) and continues downstream until the confluence with Aquia Creek.

VA Overall AU Category: **5A**

Use	Impairment	0.81 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		00813	**2004**	**2016**	Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (3 of 8 samples - 37.5%) were recorded at DEQ's ambient water quality monitoring station (1AAUS000.17) at the end of Aquia Drive to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sources: Source Unknown

TMDL Watershed Name: **Babbs Run**

TMDL Group ID: **01596**

VAV-B07R_BAB01A00	Babbs Run	FREDERICK CO	Babbs Run from the headwaters downstream to its confluence with Back Creek.

VA Overall AU Category: **5A**

Use	Impairment	14.44 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		01596	**2004**	**2016**	

Sources: Source Unknown

TMDL Watershed Name: **Back Creek**

TMDL Group ID: **01612**

VAV-B31R_BCK01A00	Back Creek	AUGUSTA CO	Back Creek from the headwaters downstream to its confluence with South River.

VA Overall AU Category: **5A**

Use	Impairment	13.36 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		01612	**2002**	**2014**	

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Backlick Run**

TMDL Group ID: **00307**

VAN-A13R_BAL01A00	Backlick Run	ALEXANDRIA CITY FAIRFAX CO	Segment begins at the headwaters of Backlick Run, approximately 0.74 rivermile upstream from Route 620, and continues downstream until the confluence with Holmes Run.

VA Overall AU Category: **5A**

Use	Impairment	6.45 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		00307	**2002**	**2010**	Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (4 of 13 samples - 30.8%) were recorded at DEQ's ambient water quality monitoring station (1ABAL001.40) at the Route 401 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sources: Source Unknown

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **01775**

VAN-A30E_DEE01A00	Deep Creek	PRINCE GEORGE CO	The segment boundaries were described in the VDH Notice and Description of Shellfish Area Condemnation Number 36, Upper Machodoc Creek, Section E, effective 05/08/00, which is no longer effective. Portion of CBP segment POTMH.

VA Overall AU Category: **5A**

Use	Impairment	0.07 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**	01775	**2006**	**2010**

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **01775**

VAN-A30E_GAM01A02	Gambo Creek	KING GEORGE CO	The Gambo Creek portion of the condemned area described in VDH Notice and Description of Shellfish Area Condemnation Number 001A-36, Upper Machodoc Creek, Section A, effective July 15, 2004. Portion of CBP segment POTMH.

VA Overall AU Category: **5A**

Use	Impairment	0.16 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **01775**

VAN-A30E_UMC01A02	Upper Machodoc Creek	KING GEORGE CO	The boundaries of the condemned area are described in VDH Notice and Description of Shellfish Area Condemnation Number 001A-36, Upper Machodoc Creek, Section E, effective July 15, 2004. Portion of CBP segment POTMH.

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**	01775	**2006**	**2010**

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **01775**

VAN-A30E_UMC01B06	Upper Machodoc Creek	KING GEORGE CO	The Upper Machodoc Creek portion of the condemned area described in VDH Notice and Description of Shellfish Area Condemnation Number 001A-36, Upper Machodoc Creek, Section A, effective July 15, 2004. Portion of CBP segment POTMH.

VA Overall AU Category: **5A**

Use	Impairment	0.07 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Deep-Water Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **01775**

VAN-A30E_UMC02A04	**Upper Machodoc Creek**	PRINCE GEORGE CO	The boundaries of the condemned area are described in VDH Notice and Description of Shellfish Area Condemnation Number 001A-36, Upper Machodoc Creek, Section B, effective July 15, 2004. Portion of CBP segment POTMH.

VA Overall AU Category: **5A**

Use	Impairment	0.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Deep-Water Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **01775**

VAN-A30E_UMC03A04	Upper Machodoc Creek	PRINCE GEORGE CO	The boundaries of the condemned area are described in VDH Notice and Description of Shellfish Area Condemnation Number 001A-36, Upper Machodoc Creek, Section M1, effective July 15, 2004. Portion of CBP segment POTMH.

VA Overall AU Category: **5A**

Use	Impairment	0.11 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Deep-Water Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

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Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **01775**

VAN-A30E_UMC04A06	**Upper Machodoc Creek**	KING GEORGE CO	Segment includes the main body of tidal Upper Machodoc Creek not included in segment VAN-A30E_UMC04B06 or the segments described in VDH Shellfish Area Condemnation Number 001A-36. Portion of CBP segment POTMH.

VA Overall AU Category: **5A**

Use	Impairment	0.91 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Deep-Water Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

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Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **01775**

VAN-A30E_UMC04B06	Upper Machodoc Creek	KING GEORGE CO	Segment includes the portion of Upper Machodoc Creek beginning upstream at the downstream boundary of shellfish condemnation area D and continuing until the confluence with Deep Creek. Portion of CBP segment POTMH.

VA Overall AU Category: **5A**

Use	Impairment	0.30 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **01775**

VAN-A30E_UMC05A02	**Upper Machodoc Creek**	KING GEORGE CO	The boundaries of the condemned area are described in VDH Notice and Description of Shellfish Area Condemnation Number 001A-36, Upper Machodoc Creek, Section D, effective July 15, 2004. Portion of CBP segment POTMH.

VA Overall AU Category: **5A**

Use	Impairment	0.43 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **01775**

VAN-A30E_WLL01A02	Williams Creek	KING GEORGE CO	The boundaries of the condemned area are described in VDH Notice and Description of Shellfish Area Condemnation Number 001A-36, Upper Machodoc Creek, Section C, effective July 15, 2004. Portion of CBP segment POTMH.

VA Overall AU Category: **5A**

Use	Impairment	0.13 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01775	**2002**	**2010**	Although the data obtained during the 2006 assessment window show exceedances of the instantaneous dissolved oxygen criterion (0 of 7 - 00.0%), at station 1AWLL001.30, to be categorized as fully supporting, no data has been collected from the DEQ's ambient water quality monitoring stations since the previous assessment window. The segment shall remain categorized as impaired.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Source Unknown
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01775	**2002**	**2010**

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **01775**

VAN-A30E_WLL02A02	Williams Creek	KING GEORGE CO	The boundaries of the condemned area are described in VDH Notice and Description of Shellfish Area Condemnation Number 001A-36, Upper Machodoc Creek, Section F, effective July 15, 2004. Portion of CBP segment POTMH.

VA Overall AU Category: **5A**

Use	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01775	**2002**	**2010**	Although the data obtained during the 2006 assessment window show exceedances of the instantaneous dissolved oxygen criterion (0 of 7 samples - 0.00%), at station 1AWLL001.30, and (1 of 10 - 10.0%), at station 1AWLL002.21, to be categorized as fully supporting, no data has been collected from the DEQ's ambient water quality monitoring stations since the previous assessment window. The segment shall remain categorized as impaired.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Source Unknown
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01775	**2002**	**2010**

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **01775**

VAP-A31E_BRG01A04	Bridges Creek	WESTMORELAND CO	Tidal limit to mouth POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.19 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **01775**

VAP-A31E_GLD01A00	Goldman Creek	WESTMORELAND CO	Described in previous condemnation notice 088A . POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.05 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **01775**

VAP-A31E_MAO01A98	**Mattox Creek**	WESTMORELAND CO	Described in the condemnation notice 002-001B, 11/15/2004. Segment expanded in 2006 cycle. POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.63 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **01775**

VAP-A31E_MAO02A00	**Mattox Creek**	WESTMORELAND CO	Downstream of VDH-DSS condemnation area 001E, 11/15/04. Segment shortened in 2006 cycle POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.53 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **01775**

VAP-A31E_MAO03A04 **Mattox Creek** WESTMORELAND CO

As described in VDH Condemnation 002-001E, 11/15/04
Prohibited zone

POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **01775**

VAP-A31E_MON01A00	Monroe Creek	WESTMORELAND CO	Prohibited area around STP outfall as described in VDH shellfish condemnation 002-001D 11/15/2004 POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.17 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **01775**

VAP-A31E_MON02A98	**Monroe Creek**	WESTMORELAND CO	Described in VDH condemnation notice 002-001A, 11/15/2004 Expanded in 2006 cycle. POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.48 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **01775**

VAP-A31E_MON03A98	**Monroe Bay**	WESTMORELAND CO	Described in VDH condemnation notice 002-001 M1, 11/15/2004 Size reduced in 2006 cycle POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.28 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **01775**

VAP-A31E_MON04A00	Monroe Bay	WESTMORELAND CO	Downstream of VDS-DSS condemnation area 001M1, 11/15/04 POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.52 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **01775**

VAP-A31E_MON05A04 **Monroe Creek** WESTMORELAND CO Described in VDH Condemnation 001C, 11/15/2004

POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.00 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **01775**

VAP-A31E_POP01A98	Popes Creek	WESTMORELAND CO	Described in condemnation notice.

VA Overall AU Category: **5A**

Use	Impairment	0.41 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Use	Impairment	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Open-Water Aquatic Life	**Oxygen, Dissolved**	01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **01775**

VAP-A31E_ROS01A98	Rosier Creek	WESTMORELAND CO	Described in VDH condemnation notice 088A, 9/22/2004. Segment expanded in 2006 POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.30 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **01775**

VAP-A31E_ROS02A00	**Rosier Creek**	WESTMORELAND CO	From the downstream limit of segment ROS01A98 to its mouth at the Potomac River. Size reduced in 2006 POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.30 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **01775**

VAP-A31E_ZZZ01A00	Unsegmented estuaries in A31	WESTMORELAND CO	Unsegmented portion of watershed. POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.23 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **01775**

VAP-A32E_BAN01A00	Barnes Creek	WESTMORELAND CO	Downstream of the tidal limit.
			POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.06 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02
						The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02
						The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **01775**

VAP-A32E_BRA01A98	Branson Cove	WESTMORELAND CO	Described in the condemnation notice 083C, 12/18/02

POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02

The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**	01775	**2006**	**2010**	VAP-A31E-02

The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **01775**

VAP-A32E_BUB01A04	**Buckner Creek**	WESTMORELAND CO	As described in VDH Condemnation 082B, 7/14/04 POTMH Segment shortened in 2006

VA Overall AU Category: **5A**

Use	Impairment	0.09 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **01775**

VAP-A32E_BUB02A06	Buckner Creek	WESTMORELAND CO	Downstream of condemnation 004-082B, 7/14/04
			POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.29 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **01775**

VAP-A32E_CAP01A04	Cabin Point Creek	WESTMORELAND CO	As described in the condemnation notice 165, 4/27/1989

POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.12 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **01775**

VAP-A32E_CHB01A98	Cold Harbor Bay	WESTMORELAND CO	Described in the condemnation notice 004-184A, 8/23/04. POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.09 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **01775**

VAP-A32E_CHB02A06	Cold Harbor Creek	WESTMORELAND CO	Described in VDH condemnation 004-184M1, 8/23/2004

POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.05 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **01775**

VAP-A32E_CUR01A98	**Currioman Creek**	WESTMORELAND CO	Described in the condemnation notice 004-184B, 8/23/2004. Square mileage adjusted in 2006. POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.05 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **01775**

VAP-A32E_CUR02A00	Currioman Bay	WESTMORELAND CO	Downstream of Currioman Creek. POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.72 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **01775**

VAP-A32E_GLB01A00	**Glebe and Ames Creeks**	WESTMORELAND CO	Downstream of tidal limit. POTMH Mileage adjusted in 2006

VA Overall AU Category: **5A**

Use	Impairment	0.24 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **01775**

VAP-A32E_LOW01A04	Lower Machodoc Creek	WESTMORELAND CO	As described in VDH condemnation notice 083A, 12/18/2002. Listed in 1998. Mileage adjusted in 2006 POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.51 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01775	**2004**	**2010**	VAP-A31E-02 & 2004 fact sheet VAP-A32E-08 In 2004, the segment was also considered not supporting of the Aquatic Life Use due to dissolved oxygen violations at 1ALOW004.73 in 2004. The DO TMDL was due in 2016. The DO standard for the Chesapeake Bay tidal waters has been changed and the impairment is now incorporated by the POTMH-wide impairment for dissolved oxygen in 2006 (VAP-A31E-02).
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01775	**2004**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **01775**

VAP-A32E_LOW02A00	Lower Machodoc Creek	WESTMORELAND CO	Boundary of condemned area 083A, 12/18/2002 downstream to start of deep water use at approx. rivermile 0.5. POTMH Mileage adjusted in 2006

VA Overall AU Category: **5A**

Use	Impairment	1.91 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **01775**

VAP-A32E_LOW03A06 **Lower Machodoc Creek** WESTMORELAND CO Start of Deep Water Use at approximately rivermile 0.5 to mouth

POTMH

VA Overall AU Category: **5A**

Use	Impairment	1.18 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Deep-Water Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle. In addition, isolated areas of the tributaries are classified as deep water or deep channel. These areas also failed their applicable dissolved oxygen criteria in 2006.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **01775**

Sources: Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

VAP-A32E_NOM01A04 **Nomini Creek** WESTMORELAND CO

As described in VDH Shellfish Condemnation 082A, 7/14/2004.

Extended from 1998 and now incorporates the previous Pierce Creek condemnations.

POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.53 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **01775**

VAP-A32E_NOM02A00	**Nomini Creek**	WESTMORELAND CO	Downstream condemnation boundary to the start of the deepwater use at approximately river mile 1. In 2006, segment was merged with VAP-A32E_NOM03A00 and the downstream boundary adjusted slightly to reconcile with the deepwater boundary. POTMH

VA Overall AU Category: **5A**

Use	Impairment	2.51 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **01775**

VAP-A32E_NOM04A00 **Nomini Creek** WESTMORELAND CO Downstream of deepwater use boundary at approx. river mile 1.0.

POTMH

VA Overall AU Category: **5A**

Use	Impairment	2.52 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01775	**2002**	**2010**	VAP-A31E-02 and VAP-A32E-07

The segment was initially assessed as not supporting of the Aquatic Life use support goal in 2002 because of a dissolved oxygen violation rate of 2/5 at 1ANOM000.50. A depth profile consisting of 5 samples was taken 8/29/1996. The deepest two samples violated the standard. During the 2006 cycle, the DO standard in the Chesapeake Bay and its tidal tributaries was converted to a segment-wide standard. The deepwater dissolved oxygen standards in the mesohaline Potomac both violated in 2006. This deepwater impairment is now included as part of VAP-A31E-02.

The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Changes in Ordinary Stratification and Bottom Water Hypoxia/Anoxia
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Deep-Water Aquatic Life	**Oxygen, Dissolved**	01775	**2002**	**2010**	VAP-A31E-02

Isolated areas of the Potomac mesohaline tributaries are classified as deep water or deep channel. These areas failed their applicable dissolved oxygen criteria in 2006.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**	01775	**2002**	**2010**	VAP-A31E-02

The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **01775**

Sources: Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

VAP-A32E_NOP01A02 **North Prong Buckner Creek** WESTMORELAND CO Described in the condemnation notice 004-082C, 7/14/2004.

POTMH

Mileage adjusted in 2006

Mileage adjusted in 2006

VA Overall AU Category: **5A**

Use	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **01775**

VAP-A32E_WEA01A00	Weatherall Creek	WESTMORELAND CO	Downstream of condemnation 083B, 12/18/2002
			POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **01775**

VAP-A32E_WEA02A04	**Weatherall Creek**	WESTMORELAND CO	As described in VDH Shellfish condemnation 083B, 12/18/2002. POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.05 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **01775**

VAP-A32E_ZZZ01A00	Unsegmented estuaries in A32	WESTMORELAND CO	Unsegmented portion of watershed. POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.25 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **01775**

VAP-A33E_BOM01A98	**Bonum Creek**	WESTMORELAND CO	Described in the condemnation notice 006-159, 7/2/2002. Square mileage was changed in 2006 condemnation, although the area remained the same. POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.20 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **01775**

VAP-A33E_DRM01A06	**Drum Cove**	NORTHUMBERLAND CO	Described in 007-028D, 07/21/2004
			POTMH
			Segment shortened in 2006
			POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.04 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **01775**

VAP-A33E_DUA01A04	**Dungan Cove**	NORTHUMBERLAND CO	As described in VDH Shellfish Condemnation 007-028G, 7/14/2006 Mileage adjusted slightly in 2006 although area did not change. POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **01775**

VAP-A33E_DUA02A00	Dungan Cove	NORTHUMBERLAND CO	Downstream of condemnation notice 028G, 7/14/2004
			POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.07 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **01775**

VAP-A33E_GAD01A98	**Gardner Creek**	WESTMORELAND CO	Described in the condemnation notice 143, 7/2/2002. Size adjusted in 2006 cycle POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.13 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **01775**

VAP-A33E_GAD02A00	Gardner Creek	WESTMORELAND CO	Downstream of Segment VAP-A33E_GAD01A98. POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.07 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **01775**

VAP-A33E_HAM01A02	**Hampton Hall Branch, Kinsale Branch**	NORTHUMBERLAND CO WESTMORELAND CO	Described in the condemnation notice 007-028C, 7/21/2004. Segment expanded and incorporated the segment VAP-A33E_KIS01A00 in 2006 POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.43 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **01775**

VAP-A33E_JCK01A98	**Jackson Creek**	WESTMORELAND CO	Described in the condemnation notice 144, 7/2/2002 POTMH Square mileage adjusted in 2006, although area did not change

VA Overall AU Category: **5A**

Use	Impairment	0.13 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **01775**

VAP-A33E_LOG01A98	Lodge Creek	NORTHUMBERLAND CO	Described in the condemnation notice 007-028H, 7/14/2004. POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **01775**

VAP-A33E_LOG02A98	**Lodge Creek**	NORTHUMBERLAND CO	Described in the condemnation notice 007-028F, 7/21/2004. Expanded in 2004 and incorporated previous 2002 LOG03A00 segment. Sq. mileage adjusted in 2006, although area has not changed. POMTH

VA Overall AU Category: **5A**

Use	Impairment	0.25 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **01775**

VAP-A33E_MIA01A98	**Mill Creek**	NORTHUMBERLAND CO	Described in the condemnation notice 07/21/2004. Segment expanded in 2006 POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.15 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **01775**

VAP-A33E_MIA02A02	**Mill Creek**	NORTHUMBERLAND CO	Mill Creek from MIA01A98 to the mouth. Segment shortened in 2006 POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.15 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **01775**

VAP-A33E_RAG01A06	Ragged Point Bay	NORTHUMBERLAND CO WESTMORELAND CO	Described in VDH-DSS condemnation 006-M208, 4/13/1989 POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.20 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **01775**

VAP-A33E_SHA01A98	Shannon Branch	WESTMORELAND CO	Described in the condemnation notice 007-028A, 07/21/2004. POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.13 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **01775**

VAP-A33E_SHA02A00	Shannon Branch	WESTMORELAND CO	Downstream of SHA01A98.
			POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.13 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02
						The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02
						The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **01775**

VAP-A33E_SHA03A06	Shannon Branch	WESTMORELAND CO	Described in VDH-DSS condemnation 007-028M1, 07/21/2004

POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **01775**

VAP-A33E_SOV01A02	**South Yeocomico River**	NORTHUMBERLAND CO	South Yeocomico River except Dungan Cove Sq. mileage adjusted in 2006 POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.83 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **01775**

VAP-A33E_SOV02A06	South Yeocomico River	NORTHUMBERLAND CO	Described in VDH-DSS condemnation 007-028M4, 7/21/2004
			POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.11 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **01775**

VAP-A33E_WES01A06	West Yeocomico River	WESTMORELAND CO	Described in VDH-DSS condemnation 007-028M3, 07/21/2006

POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **01775**

VAP-A33E_WES02A06	West Yeocomico River	NORTHUMBERLAND CO WESTMORELAND CO	Downstream of condemnations POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.38 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **01775**

VAP-A33E_WHP01A98	**White Point Creek**	WESTMORELAND CO	Described in the condemnation notice 007-028B, 07/21/2004. Size adjusted in 2006 cycle. POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.08 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **01775**

VAP-A33E_WHP02A00	**White Point Creek**	WESTMORELAND CO	Downstream of segment WHP01A98. Segment shortened in 2006 POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.04 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **01775**

VAP-A33E_WHP03A06	NW Yeocomico (White Point Creek/Shannon Branch)	WESTMORELAND CO	Described in VDH-DSS condemnation 007-028M2, 07/21/2004 POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **01775**

VAP-A33E_YEO01A02	Yeocomico River and Tributaries	NORTHUMBERLAND CO WESTMORELAND CO	Yeocomico River POTMH

VA Overall AU Category: **5A**

Use	Impairment (1.84 SQUARE MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle. In addition, a portion of the Yeocomico was classified as deep water. The deepwater Potomac mesohaline areas also failed their applicable dissolved oxygen criteria in 2006.
	Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Deep-Water Aquatic Life	**Oxygen, Dissolved**	01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle. In addition, a portion of the Yeocomico was classified as deep water. The deepwater Potomac mesohaline areas also failed their applicable dissolved oxygen criteria in 2006.
	Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**	01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
	Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **01775**

Sources: Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

VAP-A33E_ZZZ01A00 **Unsegmented estuaries in A33** NORTHUMBERLAND CO WESTMORELAND CO Unsegmented portion of the watershed.

POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.73 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **01775**

VAP-A34E_BOT01A04	Boathouse Creek	NORTHUMBERLAND CO	As described in VDH Shellfish Condemnation 008-214F, 12/29/2003
			POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.07 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **01775**

VAP-A34E_BRD01A98	Bridgeman Creek	NORTHUMBERLAND CO	Described in the condemnation notice 009-142A, 12/22/2004. Sq. mileage adjusted in 2006 although area did not change POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.05 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **01775**

VAP-A34E_COA01A02	**Coan River**	NORTHUMBERLAND CO	Described in the VDH-DSS Condemnation Notice 145H, 11/27/2002, not otherwise segmented. Size adjusted in 2006 POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **01775**

VAP-A34E_COA01A06	Coan River	NORTHUMBERLAND CO	Described in SFC 008-214E, 12/29/2003 not otherwise segmented. POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.06 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **01775**

VAP-A34E_COA01A98 **Coan River** NORTHUMBERLAND CO

Described in the VDH-DSS Condemnation Notice 145I, 2/25/1997, not otherwise segmented.

POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.33 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **01775**

VAP-A34E_COA02A02	Coan River	NORTHUMBERLAND CO	From SFC 008-214E, 12/29/2003 to its mouth at the Potomac, excluding otherwise segmented waterbodies. Segment adjusted in 2006 cycle. POTMH

VA Overall AU Category: **5A**

Use	Impairment	2.65 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **01775**

VAP-A34E_COC01A98	**Cod Creek**	NORTHUMBERLAND CO	Described in the condemnation notice 009-141A, 12/22/04. Segment extended in 2006 into 2004 segment VAP-A34E_COC02A04, which was deleted. POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.10 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **01775**

VAP-A34E_COC01B02	Cod Creek	NORTHUMBERLAND CO	Described in the condemnation notice 009-141B, 12/22/2004
			POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.04 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **01775**

VAP-A34E_CUT01A98	Cubitt Creek	NORTHUMBERLAND CO	Described in the condemnation notice 009-168, 4/27/1989 POTMH.

VA Overall AU Category: **5A**

Use	Impairment	0.23 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **01775**

VAP-A34E_FTN01A06	Fountain Cove	NORTHUMBERLAND CO	Described in VDH-DSS condemnation 009-142B, 12/22/2004

POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.04 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **01775**

VAP-A34E_GLB01A04	The Glebe	NORTHUMBERLAND CO	VDH-DSS notice 145C, 11/27/2002 boundary upstream to VDDH-DSS notice 145D, 2/25/1997 boundary POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.10 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **01775**

VAP-A34E_GLB01A98	The Glebe	NORTHUMBERLAND CO	Described in the condemnation notice 145D, 2/25/1997. POTMH

VA Overall AU Category: **5D**

Use	Impairment	0.13 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **01775**

VAP-A34E_GLB02A00	The Glebe	NORTHUMBERLAND CO	VDH-DSS condemnation 008-213B, 12/29/2003 not otherwise segmented Size extended in 2006 POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.26 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **01775**

VAP-A34E_GLB03A00	**The Glebe**	NORTHUMBERLAND CO	Downstream of VDH-DSS SFC 008-213B, 12/2/2003 to its mouth at the Coan River. Size reduced in 2006 due to upstream condemnations POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.40 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **01775**

VAP-A34E_GLB04A04	The Glebe	NORTHUMBERLAND CO	Described in the VDH-DSS Shellfish Condemnation 145A, 11/27/2002

POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.04 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **01775**

VAP-A34E_HAC01A00	Hack Creek	NORTHUMBERLAND CO	Tidal limit to mouth at Potomac River.
			POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.21 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **01775**

VAP-A34E_HEA01A98	Headly Cove	NORTHUMBERLAND CO	Described in the VDH-DSS Condemnation Notice 145H, 2/25/1997. POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **01775**

VAP-A34E_HUL01A02	**Hull Creek**	NORTHUMBERLAND CO	Hull Creek, excluding Spring Cove, as described in condemnation notice 009-142 12/22/2004. Size expanded in 2006 POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.35 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **01775**

VAP-A34E_KIN01A00	**Kingscote Creek**	NORTHUMBERLAND CO	Tidal limit to the Coan River. POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.29 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **01775**

VAP-A34E_KIN02A06	**Kingscote Creek**	NORTHUMBERLAND CO	Described in VDH-DSS condemnation 008-213M1, 12/29/03
			POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **01775**

VAP-A34E_KIN03A06	Kingscote Creek	NORTHUMBERLAND CO	Described in VDH-DSS condemnation 008-213M2, 12/29/2003

POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **01775**

VAP-A34E_KIN04A06	Kingscote Creek	NORTHUMBERLAND CO	Described in VDH-DSS condemnation 008-213A, 12/29/2003

POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.06 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **01775**

VAP-A34E_KNC01A98	Killneck Creek	NORTHUMBERLAND CO	Described in the condemnation notice 8-214B, 12/29/2003. POTMH

VA Overall AU Category: **5D**

Use	Impairment	0.05 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **01775**

VAP-A34E_KNC01B06 **Killneck Creek** NORTHUMBERLAND CO Described in VDH-DSS condemnation 8-214A, 12/29/2003

POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **01775**

VAP-A34E_MII01A06	Mill Creek	NORTHUMBERLAND CO	Tidal limit to mouth at Coan River
			POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.10 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **01775**

VAP-A34E_PRE01A98	**Presley Creek**	NORTHUMBERLAND CO	Described in the condemnation notice 140, 4/27/1989 Sq. mileage adjusted during 2006 cycle, though area did not change POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.30 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **01775**

VAP-A34E_ROG01A98	Rogers Creek	NORTHUMBERLAND CO	Described in the condemnation notice 009-142D, 12/22/2004. Sq. mileage adjusted in 2006, although area did not change POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **01775**

VAP-A34E_SPN01A04	**Spring Cove**	NORTHUMBERLAND CO	Tidal limit to mouth at Hull Creek Portion of VDH-DSS condemnation 009-142C, 12/22/2004 POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **01775**

VAP-A34E_WRS01A04	Wrights Cove	NORTHUMBERLAND CO	Described in VDH-DSS Shellfish Condemnation 145B, 11/27/2002

POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.04 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **01775**

VAP-A34E_XFI01A98	**Stevens Point**	NORTHUMBERLAND CO	Described in the condemnation notice 8-214C, 12/29/2003 Sq. mileage adjusted in 2006 POTMH

VA Overall AU Category: **5D**

Use	Impairment	0.04 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **01775**

VAP-A34E_XFJ01A98	**Coan River, UT**	NORTHUMBERLAND CO	Described in the condemnation notice 008-214D, 12/29/2003. POTMH Size increased during 2004 cycle (0.02 to 0.05 sq. mi)

VA Overall AU Category: **5A**

Use	Impairment	0.05 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **01775**

VAP-A34E_ZZZ01A00	Unsegmented estuaries in A34	NORTHUMBERLAND CO	Unsegmented portion of the watershed. POTMH

VA Overall AU Category: **5A**

Use	Impairment	2.51 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01775	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **60126**

VAN-A30E_DEE01A00	Deep Creek	PRINCE GEORGE CO	The segment boundaries were described in the VDH Notice and Description of Shellfish Area Condemnation Number 36, Upper Machodoc Creek, Section E, effective 05/08/00, which is no longer effective. Portion of CBP segment POTMH.

VA Overall AU Category: **5A**

Use	Impairment	0.07 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		60126	**2006**	**2010**	

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		60126	**2006**	**2010**

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **60126**

VAN-A30E_GAM01A02	**Gambo Creek**	KING GEORGE CO	The Gambo Creek portion of the condemned area described in VDH Notice and Description of Shellfish Area Condemnation Number 001A-36, Upper Machodoc Creek, Section A, effective July 15, 2004. Portion of CBP segment POTMH.

VA Overall AU Category: **5A**

Use	Impairment	0.16 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		60126	**2006**	**2010**	
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		60126	**2006**	**2010**	
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **60126**

VAN-A30E_UMC01A02	Upper Machodoc Creek	KING GEORGE CO	The boundaries of the condemned area are described in VDH Notice and Description of Shellfish Area Condemnation Number 001A-36, Upper Machodoc Creek, Section E, effective July 15, 2004. Portion of CBP segment POTMH.

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		60126	**2006**	**2010**	

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		60126	**2006**	**2010**

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **60126**

VAN-A30E_UMC01B06	**Upper Machodoc Creek**	KING GEORGE CO	The Upper Machodoc Creek portion of the condemned area described in VDH Notice and Description of Shellfish Area Condemnation Number 001A-36, Upper Machodoc Creek, Section A, effective July 15, 2004. Portion of CBP segment POTMH.

VA Overall AU Category: **5A**

Use	Impairment	0.07 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		60126	**2006**	**2010**	

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		60126	**2006**	**2010**

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **60126**

VAN-A30E_UMC02A04	**Upper Machodoc Creek**	PRINCE GEORGE CO	The boundaries of the condemned area are described in VDH Notice and Description of Shellfish Area Condemnation Number 001A-36, Upper Machodoc Creek, Section B, effective July 15, 2004. Portion of CBP segment POTMH.

VA Overall AU Category: **5A**

Use	Impairment	0.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		60126	**2006**	**2010**	

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		60126	**2006**	**2010**

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **60126**

VAN-A30E_UMC03A04	**Upper Machodoc Creek**	PRINCE GEORGE CO	The boundaries of the condemned area are described in VDH Notice and Description of Shellfish Area Condemnation Number 001A-36, Upper Machodoc Creek, Section M1, effective July 15, 2004. Portion of CBP segment POTMH.

VA Overall AU Category: **5A**

Use	Impairment	0.11 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		60126	**2006**	**2010**	
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		60126	**2006**	**2010**	
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **60126**

VAN-A30E_UMC04A06	Upper Machodoc Creek	KING GEORGE CO	Segment includes the main body of tidal Upper Machodoc Creek not included in segment VAN-A30E_UMC04B06 or the segments described in VDH Shellfish Area Condemnation Number 001A-36. Portion of CBP segment POTMH.

VA Overall AU Category: **5A**

Use	Impairment	0.91 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		60126	**2006**	**2010**	

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		60126	**2006**	**2010**

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **60126**

VAN-A30E_UMC04B06	Upper Machodoc Creek	KING GEORGE CO	Segment includes the portion of Upper Machodoc Creek beginning upstream at the downstream boundary of shellfish condemnation area D and continuing until the confluence with Deep Creek. Portion of CBP segment POTMH.

VA Overall AU Category: **5A**

Use	Impairment	0.30 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		60126	**2006**	**2010**	

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		60126	**2006**	**2010**

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **60126**

VAN-A30E_UMC05A02	Upper Machodoc Creek	KING GEORGE CO	The boundaries of the condemned area are described in VDH Notice and Description of Shellfish Area Condemnation Number 001A-36, Upper Machodoc Creek, Section D, effective July 15, 2004. Portion of CBP segment POTMH.

VA Overall AU Category: **5A**

Use	Impairment	0.43 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		60126	**2006**	**2010**	

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		60126	**2006**	**2010**

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **60126**

VAN-A30E_WLL01A02	**Williams Creek**	KING GEORGE CO	The boundaries of the condemned area are described in VDH Notice and Description of Shellfish Area Condemnation Number 001A-36, Upper Machodoc Creek, Section C, effective July 15, 2004. Portion of CBP segment POTMH.

VA Overall AU Category: **5A**

Use	Impairment	0.13 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		60126	**2006**	**2010**	
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		60126	**2006**	**2010**	
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTMH**

TMDL Group ID: **60126**

VAN-A30E_WLL02A02	**Williams Creek**	KING GEORGE CO	The boundaries of the condemned area are described in VDH Notice and Description of Shellfish Area Condemnation Number 001A-36, Upper Machodoc Creek, Section F, effective July 15, 2004. Portion of CBP segment POTMH.

VA Overall AU Category: **5A**

Use	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		60126	**2006**	**2010**	

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		60126	**2006**	**2010**

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTOH**

TMDL Group ID: **60123**

VAN-A26E_CHO01A04	Chopawamsic Creek	PRINCE WILLIAM CO STAFFORD CO	Segment includes all of the Chopawamsic Creek embayment downstream until the state line at the confluence with the Potomac River. Portion of CBP segment POTOH.

VA Overall AU Category: **5A**

Use	Impairment (0.61 SQUARE MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	60123	**2006**	**2010**	
	Sources: Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)				
Open-Water Aquatic Life	**Oxygen, Dissolved**	60123	**2006**	**2010**	
	Sources: Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)				

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTOH**

TMDL Group ID: **60123**

VAN-A26E_CHO01B06	**Chopawamsic Creek**	PRINCE WILLIAM CO STAFFORD CO	Segment includes all Chopawamsic Creek tidal waters not included in other delineated segments. Portion of CBP segment POTOH.

VA Overall AU Category: **5A**

Use	Impairment	0.38 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		60123	**2006**	**2010**	
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		60123	**2006**	**2010**	
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTOH**

TMDL Group ID: **60123**

VAN-A26E_CHO02A00	**Chopawamsic Creek**	PRINCE WILLIAM CO STAFFORD CO	Segment extends from approximately 0.5 rivermile upstream, until the end of the tidal waters, until 0.5 rivermile downstream of monitoring station 1ACHO003.65. Portion of CBP segment POTOH.

VA Overall AU Category: **5A**

Use	Impairment	0.12 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		60123	**2006**	**2010**	
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		60123	**2006**	**2010**	
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTOH**

TMDL Group ID: **60123**

VAN-A28E_AUA01A06	Aquia Creek	STAFFORD CO	Segment extends to a 0.5 mile radius around the ACB station 1AAUA-SCSHORE-ALL. Portion of CBP segment POTOH.

VA Overall AU Category: **5A**

Use	Impairment (0.42 SQUARE MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	60123	**2006**	**2010**	
	Sources: Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)				
Open-Water Aquatic Life	**Oxygen, Dissolved**	60123	**2006**	**2010**	
	Sources: Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)				

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTOH**

TMDL Group ID: **60123**

VAN-A28E_AUA01B00	Aquia Creek	STAFFORD CO	Segment extends from rivermile 4.28 to rivermile 3.28 in Aquia Creek encompassing a 0.5-mile radius around station 1AAUA003.71. Portion of CBP segment POTOH.

VA Overall AU Category: **5A**

Use	Impairment	0.37 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		60123	**2006**	**2010**	
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		60123	**2006**	**2010**	
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTOH**

TMDL Group ID: **60123**

VAN-A28E_AUA01C06	Aquia Creek	STAFFORD CO	Segment extends from approximately rivermile 6.70 and continues downstream until approximately rivermile 4.19. Portion of CBP segment POTOH.

VA Overall AU Category: **5A**

Use	Impairment	0.58 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		60123	**2006**	**2010**	
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		60123	**2006**	**2010**	
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTOH**

TMDL Group ID: **60123**

VAN-A28E_AUA02A04	Aquia Creek	STAFFORD CO	Segment begins at the upstream limit of the tidal waters of Aquia Creek and continues downstream until the confluence with Austin Run. Portion of CBP segment POTOH.

VA Overall AU Category: **5A**

Use	Impairment (0.24 SQUARE MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	60123	**2006**	**2010**	
	Sources: Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)				
Open-Water Aquatic Life	**Oxygen, Dissolved**	60123	**2006**	**2010**	
	Sources: Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)				

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTOH**

TMDL Group ID: **60123**

VAN-A28E_AUA20A02	Aquia Creek	STAFFORD CO	Segment includes all tidal waters of Aquia Creek not included in another segment. Portion of CBP segment POTOH.

VA Overall AU Category: **5A**

Use	Impairment	2.13 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		60123	**2006**	**2010**	
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		60123	**2006**	**2010**	
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTOH**

TMDL Group ID: **60123**

VAN-A29E_ACC01A00	Accokeek Creek	STAFFORD CO	Segment includes the tidal waters of Accokeek Creek; beginning approximately 0.35 rivermile upstream from the start of the Accokeek Creek arm of Potomac Creek. Portion of CBP segment POTOH.

VA Overall AU Category: **5A**

Use	Impairment	0.37 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		60123	**2006**	**2010**	
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		60123	**2006**	**2010**	
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTOH**

TMDL Group ID: **60123**

VAN-A29E_POM01A04	Potomac Creek	KING GEORGE CO STAFFORD CO	Segment extends to a half-mile radius around station 1APOM000.59. Portion of CBP segment POTOH.

VA Overall AU Category: **5A**

Use	Impairment	0.44 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		60123	**2006**	**2010**	
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		60123	**2006**	**2010**	
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTOH**

TMDL Group ID: **60123**

VAN-A29E_POM01B06	Potomac Creek	KING GEORGE CO STAFFORD CO	Segment extends from rivermile 1.91 until rivermile 1.09 along Potomac Creek and includes the lower portion of the Accokeek Creek arm of Potomac Creek, approximately 0.35 rivermile upstream. Portion of CBP segment POTOH.

VA Overall AU Category: **5A**

Use	Impairment	0.67 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		60123	**2006**	**2010**	
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		60123	**2006**	**2010**	
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTOH**

TMDL Group ID: **60123**

VAN-A29E_POM02A02	Potomac Creek	KING GEORGE CO STAFFORD CO	Segment extends a half-mile radius around monitoring station 1APOM002.41. Portion of CBP segment POTOH.

VA Overall AU Category: **5A**

Use	Impairment	0.60 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		60123	**2006**	**2010**	
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		60123	**2006**	**2010**	
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTOH**

TMDL Group ID: **60123**

VAN-A29E_POM20A04	Potomac Creek	KING GEORGE CO STAFFORD CO	Segment includes all tidal waters of Potomac Creek not included in other segments; beginning at the upstream limit of the tidal waters and continuing downstream until the confluence with the Potomac River at the state line. Portion of CBP segment POTOH.

VA Overall AU Category: **5A**

Use	Impairment	0.84 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		60123	**2006**	**2010**	

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		60123	**2006**	**2010**

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTOH**

TMDL Group ID: **60123**

VAN-A29E_POT01A06	Fairview Beach/ Potomac River	KING GEORGE CO	Segment includes all of Fairview Beach on the Potomac River. Portion of CBP segment POTOH.

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		60123	**2006**	**2010**	
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		60123	**2006**	**2010**	
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTOH**

TMDL Group ID: **60123**

VAN-A29E_POT20A06	Potomac River	KING GEORGE CO	Segment includes all tidal embayments of the Potomac River located in Virginia, but not included in other segments. Portion of CBP segment POTOH.

VA Overall AU Category: **5A**

Use	Impairment (0.13 SQUARE MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	60123	**2006**	**2010**	
	Sources: Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)				
Open-Water Aquatic Life	**Oxygen, Dissolved**	60123	**2006**	**2010**	
	Sources: Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)				

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTTF**

TMDL Group ID: **60124**

VAN-A12E_FOU01A00	**Fourmile Run**	ALEXANDRIA CITY ARLINGTON CO	Segment includes the tidal waters of Fourmile Run; from rivermile 1.46 downstream until the confluence with the Potomac River, at the state line. Portion of CBP segment POTTF.

VA Overall AU Category: **5A**

Use	Impairment	0.05 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		60124	**2006**	**2010**	

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		60124	**2006**	**2010**

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTTF**

TMDL Group ID: **60124**

VAN-A13E_HFF01A06	**Hooff Run**	ALEXANDRIA CITY	Segment contains the tidal portion of Hooff Run; begins at the Alexandria National Cemetery and continues downstream until the confluence with Hunting Creek. Portion of CBP segment POTTF.

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		60124	**2006**	**2010**	

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		60124	**2006**	**2010**

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTTF**

TMDL Group ID: **60124**

VAN-A13E_HUT01A02	**Hunting Creek/Potomac River/Belle Haven**	ALEXANDRIA CITY FAIRFAX CO	Segment includes all tidal waters of Hunting Creek; beginning at the Route 241 (Telegraph Road) bridge crossing and continuing downstream until the confluence with the Potomac River, to include the embayment. Portion of CBP segment POTTF.

VA Overall AU Category: **5A**

Use	Impairment	1.36 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		60124	**2006**	**2010**	

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		60124	**2006**	**2010**

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTTF**

TMDL Group ID: **60124**

VAN-A14E_DOU01A00	Dogue Creek	FAIRFAX CO	Segment includes all tidal waters of Dogue Creek, extending from approximately rivermile 2.1 until the confluence with the Potomac River. Portion of CBP segment POTTF.

VA Overall AU Category: **5A**

Use	Impairment	0.74 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		60124	**2006**	**2010**	

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		60124	**2006**	**2010**

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTTF**

TMDL Group ID: **60124**

VAN-A14E_LIF01A00	Little Hunting Creek	FAIRFAX CO	Segment includes all tidal waters of Little Hunting Creek, extending from approximately rivermile 1.7 downstream until the confluence with the Potomac River. Portion of CBP segment POTTF.

VA Overall AU Category: **5A**

Use	Impairment	0.25 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		60124	**2006**	**2010**	

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		60124	**2006**	**2010**

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTTF**

TMDL Group ID: **60124**

VAN-A15E_ACO01A06	Accotink Bay	FAIRFAX CO	Segment includes tidal waters of Accotink Creek until the confluence with the tidal waters of Pohick Bay/ Gunston Cove. Portion of CBP segment POTTF.

VA Overall AU Category: **5A**

Use	Impairment	0.35 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		60124	**2006**	**2010**	

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		60124	**2006**	**2010**

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTTF**

TMDL Group ID: **60124**

VAN-A15E_POH01A00	**Gunston Cove**	FAIRFAX CO	Segment extends from rivermile 1.31 in Gunston Cove until the confluence with the Potomac River. Portion of CBP segment POTTF.

VA Overall AU Category: **5A**

Use	Impairment	1.51 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		60124	**2006**	**2010**	

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		60124	**2006**	**2010**

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTTF**

TMDL Group ID: **60124**

VAN-A15E_POH02A00	**Pohick Bay**	FAIRFAX CO	Segment includes tidal waters of Pohick Creek, from the boundary of watershed A15, and extends until rivermile 1.31 in Gunston Cove. Portion of CBP segment POTTF.

VA Overall AU Category: **5A**

Use	Impairment	0.61 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		60124	**2006**	**2010**	

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		60124	**2006**	**2010**

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTTF**

TMDL Group ID: **60124**

VAN-A16E_POH01A06	Pohick Bay	FAIRFAX CO	Segment includes tidal waters of Pohick Creek upstream from the boundary of watershed A16. Portion of CBP segment POTTF.

VA Overall AU Category: **5A**

Use	Impairment	0.29 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		60124	**2006**	**2010**	

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		60124	**2006**	**2010**

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTTF**

TMDL Group ID: **60124**

VAN-A25E_NEA01A00	Neabsco Bay	PRINCE WILLIAM CO	Segment includes the tidal waters of Neabsco Bay downstream until the confluence with Occoquan Bay. Portion of CBP segment POTTF.

VA Overall AU Category: **5A**

Use	Impairment	0.80 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		60124	**2006**	**2010**	

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		60124	**2006**	**2010**

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTTF**

TMDL Group ID: **60124**

VAN-A25E_NEA20A02	Neabsco Creek	PRINCE WILLIAM CO	Segment begins at the upstream limit of the tidal waters on Neabsco Creek and continues downstream until the start of the open waters of Neabsco Bay, approximately 0.5 rivermile upstream from monitoring station 1ANEA000.57. Portion of CBP segment POTTF.

VA Overall AU Category: **5A**

Use	Impairment	0.23 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		60124	**2006**	**2010**	

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		60124	**2006**	**2010**

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTTF**

TMDL Group ID: **60124**

VAN-A25E_OCC01A04	**Occoquan Bay**	FAIRFAX CO PRINCE WILLIAM CO	Segment extends 0.5 mile around the Coastal 2000 monitoring station 1AOCC000.06. The downstream limit is the state line at the Potomac River. Portion of CBP segment POTTF.

VA Overall AU Category: **5A**

Use	Impairment	0.48 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		60124	**2006**	**2010**	

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		60124	**2006**	**2010**

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTTF**

TMDL Group ID: **60124**

VAN-A25E_OCC02A00	**Occoquan Bay**	FAIRFAX CO PRINCE WILLIAM CO	Segment extends 0.5 mile around the around the monitoring station 1AOCC002.47. Portion of CBP segment POTTF.

VA Overall AU Category: **5A**

Use	Impairment	0.59 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		60124	**2006**	**2010**	

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		60124	**2006**	**2010**

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTTF**

TMDL Group ID: **60124**

VAN-A25E_OCC03A04	Belmont Bay (Occoquan River)	FAIRFAX CO	Segment extends 0.5 mile around Coastal 2000 monitoring station 1AOCC002.62. Portion of CBP segment POTTF.

VA Overall AU Category: **5A**

Use	Impairment	0.39 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		60124	**2006**	**2010**	

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		60124	**2006**	**2010**

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTTF**

TMDL Group ID: **60124**

VAN-A25E_OCC04A02	**Belmont Bay**	FAIRFAX CO	Segment extends 0.5 mile around the monitoring station 1AOCC-766-ALL (coordinates 38.647, -77.195). Portion of CBP segment POTTF.

VA Overall AU Category: **5A**

Use	Impairment	0.42 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		60124	**2006**	**2010**	
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		60124	**2006**	**2010**	
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTTF**

TMDL Group ID: **60124**

VAN-A25E_OCC05A02	Occoquan River	FAIRFAX CO PRINCE WILLIAM CO	Segment extends from 0.5 rivermile upstream until 0.5 rivermile downstream of monitoring station 1AOCC006.71. Portion of CBP segment POTTF.

VA Overall AU Category: **5A**

Use	Impairment	0.05 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		60124	**2006**	**2010**	

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		60124	**2006**	**2010**

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTTF**

TMDL Group ID: **60124**

VAN-A25E_OCC20A02	Occoquan Bay/Belmont Bay	FAIRFAX CO PRINCE WILLIAM CO	Segment includes all waters of the Occoquan and Belmont Bays not included in other delineated segments. Portion of CBP segment POTTF.

VA Overall AU Category: **5A**

Use	Impairment	5.39 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		60124	**2006**	**2010**	
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		60124	**2006**	**2010**	
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTTF**

TMDL Group ID: **60124**

VAN-A25E_POT20A02	**Occoquan Bay/Belmont Bay**	FAIRFAX CO PRINCE WILLIAM CO	Segment includes all tidal waters in watershed not included in other delineated stream segments. Portion of CBP segment POTTF.

VA Overall AU Category: **5A**

Use	Impairment	0.24 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		60124	**2006**	**2010**	

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		60124	**2006**	**2010**

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTTF**

TMDL Group ID: **60124**

VAN-A26E_POT20A02	Quantico Creek/Powells Creek	PRINCE WILLIAM CO STAFFORD CO	Segment includes all tidal waters in watershed not included in other delineated stream segments. Portion of CBP segment POTTF.

VA Overall AU Category: **5A**

Use	Impairment	1.06 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		60124	**2006**	**2010**	

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		60124	**2006**	**2010**

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTTF**

TMDL Group ID: **60124**

VAN-A26E_POW01A02	**Powells Creek**	PRINCE WILLIAM CO	Segment extends to a 0.5 mile radius around the ACB station 1APOW-865-ALL. Portion of CBP segment POTTF.

VA Overall AU Category: **5A**

Use	Impairment	0.23 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		60124	**2006**	**2010**	

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		60124	**2006**	**2010**

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTTF**

TMDL Group ID: **60124**

VAN-A26E_POW02A02	**Powells Creek**	PRINCE WILLIAM CO	Segment extends to a 0.5 mile radius around the ACB station 1APOW-765-ALL. Portion of CBP segment POTTF.

VA Overall AU Category: **5A**

Use	Impairment	0.40 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		60124	**2006**	**2010**	
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		60124	**2006**	**2010**	
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTTF**

TMDL Group ID: **60124**

VAN-A26E_QUA01A04	Quantico Creek	PRINCE WILLIAM CO	Segment extends to a 0.5-mile radius around station 1AQUA001.09. Portion of CBP segment POTTF.

VA Overall AU Category: **5A**

Use	Impairment	0.43 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		60124	**2006**	**2010**	

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		60124	**2006**	**2010**

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bay Segment POTTF**

TMDL Group ID: **60124**

VAN-A26E_QUA02A06	**Quantico Creek**	PRINCE WILLIAM CO	Segment extends to a 0.5 mile radius around station 1AQUA002.15. Portion of CBP segment POTTF.

VA Overall AU Category: **5A**

Use	Impairment	0.28 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		60124	**2006**	**2010**	

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		60124	**2006**	**2010**

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Beaverdam Creek**

TMDL Group ID: **60007**

VAN-A07R_BEC02A04	Beaverdam Creek	LOUDOUN CO	Segment begins at the confluence with an unnamed tributary to Beaverdam Creek, just upstream from Route 626, and continues downstream until the confluence of with Dog Branch.

VA Overall AU Category: **5A**

Use	Impairment (1.17 MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	60007	**2006**	**2018**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (3 of 3 samples - 100%) were recorded at DEQ's ambient water quality monitoring station (1ABEC011.19) at the Route 626 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.
	Sources: Source Unknown				
Recreation	**Fecal Coliform**	60007	**2006**	**2018**	Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (2 of 12 samples - 16.7%) were recorded at DEQ's ambient water quality monitoring station (1ABEC011.19) at the Route 626 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.
	Sources: Source Unknown				

TMDL Watershed Name: **Beaverdam Creek, North Fork**

TMDL Group ID: **60008**

VAN-A07R_NOB02A04	North Fork Beaverdam Creek	LOUDOUN CO	Segment begins at the confluence with Butchers Branch and continues downstream until the confluence with an unnamed tributary to North Fork Beaverdam Creek, at rivermile 3.12.

VA Overall AU Category: **5A**

Use	Impairment (2.45 MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	60008	**2006**	**2018**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (3 of 3 samples - 100%) were recorded at DEQ's ambient water quality monitoring station (1ANOB005.49) at the Route 719 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.
	Sources: Source Unknown				
Recreation	**Fecal Coliform**	60008	**2006**	**2018**	Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (4 of 12 samples - 33.3%) were recorded at DEQ's ambient water quality monitoring station (1ANOB005.49) at the Route 719 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.
	Sources: Source Unknown				

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Belmont Bay (Occoquan River)**

TMDL Group ID: **60067**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAN-A25E_OCC03A04	**Belmont Bay (Occoquan River)**	FAIRFAX CO	Segment extends 0.5 mile around Coastal 2000 monitoring station 1AOCC002.62. Portion of CBP segment POTTF.

VA Overall AU Category: **5A**

Use	Impairment	0.39 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Estuarine Bioassessments**		60067	**2006**	**2018**	Based on the Coastal 2000 weight of evidence analysis, utilizing bulk chemical data, toxicity test data, and an evaluation of benthic community conditions. Conclusions noted that some possibilities for benthic alteration could be a result of nutrient enrichment, habitat condition, habitat type, or a high energy environment. However, toxic contaminants are an unlikely cause of the stressed community. The low diversity of benthic faunal taxa suggest organic/nutrient enrichment, but bottom dissolved oxygen at the time of sampling was not depressed (10.5 mg/L). Note that sediment total organic carbon was very low (<0.2%) and that the sample was almost all sand (83.3%). It is possible that toxics were present nearby, but the sediment sample collected did not indicate any contamination problem.

Sources: Source Unknown

TMDL Watershed Name: **Big Run**

TMDL Group ID: **50236**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAV-B38R_BIG01A00	**Big Run**	PAGE CO	Big Run from the headwaters downstream to its confluence with South Fork Shenandoah River.

VA Overall AU Category: **5A**

Use	Impairment	5.41 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		50236	**2006**	**2018**	Newly listed for bacteria in 2006.

Sources: Non-Point Source
Wildlife Other than Waterfowl

TMDL Watershed Name: **Boathouse Creek**

TMDL Group ID: **00930**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-A34E_BOT01A04	**Boathouse Creek**	NORTHUMBERLAND CO	As described in VDH Shellfish Condemnation 008-214F, 12/29/2003 POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.07 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		00930	**2004**	**2016**	VAP-A34E-25 VDH-DSS Condemnation 008-214F, 12/29/2003

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bolling Branch**

TMDL Group ID: **60003**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAN-A04R_BOL01A04	**Bolling Branch**	FAUQUIER CO	Segment begins at the confluence with an unnamed tributary to Bolling Branch, just upstream from Route 723, and continues downstream until the confluence with Goose Creek.

VA Overall AU Category: **5A**

Use	Impairment	3.27 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		60003	**2006**	**2018**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (3 of 3 samples - 100%) were recorded at DEQ's ambient water quality monitoring station (1ABOL002.56) at Justice Lane to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.
		Sources: Source Unknown				
Recreation	**Fecal Coliform**		60003	**2006**	**2018**	Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (4 of 11 samples - 36.4%) were recorded at DEQ's ambient water quality monitoring station (1ABOL002.56) at Justice Lane to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.
		Sources: Source Unknown				

TMDL Watershed Name: **Bonum Creek**

TMDL Group ID: **00919**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-A33E_BOM01A98	**Bonum Creek**	WESTMORELAND CO	Described in the condemnation notice 006-159, 7/2/2002. Square mileage was changed in 2006 condemnation, although the area remained the same. POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.20 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		00919	**1998**	**2010**	VAP-A33E-03 VDH Shellfish condemnation 159, 7/2/2002 Mileage was adjusted in 2006, although the area remained the same
		Sources: Source Unknown				

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Boone Run**

TMDL Group ID: **01619**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAV-B35R_BON01A00	**Boone Run**	ROCKINGHAM CO	Boone Run and tributary from the headwaters downstream to its confluence with the South Fork Shenandoah River.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	13.07 MILES	01619	**2002**	**2014**	

Sources: Non-Point Source
Wildlife Other than Waterfowl

TMDL Watershed Name: **Borden Marsh Run**

TMDL Group ID: **50240**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAV-B55R_BMR01A00	**Borden Marsh Run**	CLARKE CO WARREN CO	Borden Marsh Run and tributaries from the headwaters downstream to its confluence with the Shenandoah River.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	9.50 MILES	50240	**2006**	**2018**	Newly listed for bacteria in 2006.

Sources: Non-Point Source

TMDL Watershed Name: **Branson Cove**

TMDL Group ID: **00909**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-A32E_BRA01A98	**Branson Cove**	WESTMORELAND CO	Described in the condemnation notice 083C, 12/18/02 POTMH

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**	0.02 SQUARE MILES	00909	**1998**	**2010**	VAP-A32E-09 VDH-DSS Shellfish Condemnation 083C, 12/18/2002

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bridge Creek**

TMDL Group ID: **10062**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-A34E_BRI02C98	**Bridge Creek**	NORTHUMBERLAND CO	Described in the condemnation notice 010-105D, 9/15/2004 Sq. mileage adjusted in 2006, although area did not change CB5MH

VA Overall AU Category: **5D**

Use	Impairment	0.09 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		10062	**2006**	**2003**	Category 4A VAP-A34E-18 VDH-DSS Condemnation Notice 010-105D, 9/15/2004 The segment was delisted in 2004 because the area was reopened for harvest, but was closed in the 9/15/2004 condemnation, so is considered impaired in the 2006 cycle. However, the segment received a fecal coliform allocation in the "Little Wicomico River Watershed TMDL for Three Shellfish Areas Listed Due to Bacteria Contamination" report which was approved by EPA on 12/18/2003. Therefore it will be considered Cat. 4A for shellfish consumption.

Sources: Non-Point Source

TMDL Group ID: **10063**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-A34E_BRI01C98	**Bridge Creek**	NORTHUMBERLAND CO	Described in the condemnation notice 010-105C, 9/15/2004. CB5MH

VA Overall AU Category: **5A**

Use	Impairment	0.09 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		10063	**2006**	**2018**	VAP-A34E-17 VDH-DSS Condemnation Notice 010-105C, 9/15/2004 The segment was delisted in 2004 because the area was reopened for harvest, but was closed in the 9/15/2004 condemnation, so is considered impaired in the 2006 cycle.

Sources: Non-Point Source

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bridgeman Creek**

TMDL Group ID: **00931**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-A34E_BRD01A98	**Bridgeman Creek**	NORTHUMBERLAND CO	Described in the condemnation notice 009-142A, 12/22/2004. Sq. mileage adjusted in 2006 although area did not change POTMH

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**	0.05	SQUARE MILES	00931	**1998**	**2010**	VAP-A34E-10 VDH-DSS condemnation 009-142A, 12/22/2004 Sq. mileage adjusted in 2006 although area did not change.

Sources: Source Unknown

TMDL Watershed Name: **Bridges Creek**

TMDL Group ID: **00868**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-A31E_BRG01A04	**Bridges Creek**	WESTMORELAND CO	Tidal limit to mouth POTMH

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	0.19	SQUARE MILES	00868	**2004**	**2016**	VAP-A31E-11 Bridges Creek was assessed as not supporting of the Recreation Use support goal during the 2004 cycle based on a fecal coliform violation rate of 2/2 at 01660860, a USGS station. There was no additional monitoring during the 2006 cycle.

Sources: Source Unknown

TMDL Watershed Name: **Briery Branch**

TMDL Group ID: **01604**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAV-B18R_BRY02A00	**Briery Branch**	ROCKINGHAM CO	Briery Branch from its confluence with Hone Quarry Run downstream to its confluence with Beaver Creek.

VA Overall AU Category: **5C**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**	5.99	MILES	01604	**2002**	**2014**	

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Briery Branch**

TMDL Group ID: **01604**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAV-B18R_BRY03A00	**Briery Branch**	AUGUSTA CO ROCKINGHAM CO	Briery Branch from the headwaters downstream to its confluence with Hone Quarry Run.

VA Overall AU Category: **5C**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**	6.99 MILES	01604	**2002**	**2014**	

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

TMDL Group ID: **01606**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAV-B18R_BRY01A02	**Briery Branch**	ROCKINGHAM CO	Briery Branch from its confluence with Beaver Creek downstream to its confluence with North River.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	1.49 MILES	01606	**2004**	**2016**	

Sources: Non-Point Source
Wildlife Other than Waterfowl

TMDL Watershed Name: **Broad Run**

TMDL Group ID: **00225**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAN-A19R_BRU02A00	**Broad Run**	MANASSAS CITY PRINCE WILLIAM CO	Segment begins at the confluence with Rocky Branch and continues downstream until the confluence with Cannon Branch.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	7.26 MILES	00225	**2006**	**2010**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (3 of 12 samples - 25.0%) were recorded at DEQ's ambient water quality monitoring station (1ABRU011.24) at the Sudley Manor Drive bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. The segment was previously listed for a fecal coliform bacteria impairment, beginning in 2002.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Broad Run**

TMDL Group ID: **00226**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAN-A19R_BRU07A02	**Broad Run**	FAUQUIER CO PRINCE WILLIAM CO	Segment begins at the confluence with an unnamed tributary to Broad Run, at approximately rivermile 21.3, and continues downstream until the start, western end, of Lake Manassas.

VA Overall AU Category: **5A**

Use	Impairment (1.51 MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	00226	**2006**	**2010**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (4 of 13 samples - 30.8%) were recorded at DEQ's ambient water quality monitoring station (1ABRU020.12) at the Route 29/15 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. The segment was previously listed for a fecal coliform bacteria impairment, beginning in 2002.

Sources: Source Unknown

TMDL Group ID: **00227**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAN-A19R_BRU08A04	**Broad Run**	FAUQUIER CO	Segment begins at the confluence with Mill Run and continues downstream to the confluence with Trapp Run.

VA Overall AU Category: **5A**

Use	Impairment (1.06 MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	00227	**2006**	**2016**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (3 of 5 samples - 60.0%) were recorded at DEQ's special study station (1ABRU026.40) at the Route 628 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sources: Source Unknown

Use	Impairment	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	00227	**2004**	**2016**	Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (5 of 10 samples - 50.0%) were recorded at DEQ's special study station (1ABRU026.40) at the Route 628 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sources: Source Unknown

TMDL Group ID: **60013**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAN-A09R_BRB01A00	**Broad Run**	LOUDOUN CO	Segment begins at the confluence with Beaverdam Run, approximately 0.8 rivermile upstream from Route 7, and continues downstream until the confluence with the Potomac River.

VA Overall AU Category: **5A**

Use	Impairment (2.88 MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**	60013	**2006**	**2018**	DEQ benthic macroinvertebrate biological monitoring, at station 1ABRB002.15 near Route 7, finds this segment to be moderately impaired, resulting in an impaired classification for the aquatic life use.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Broad Run**

TMDL Group ID: **60051**

VAN-A19R_BRU07B06	Broad Run	FAUQUIER CO PRINCE WILLIAM CO	Segment begins at the confluence with Trapp Branch and continues downstream until the confluence with Catletts Branch.

VA Overall AU Category: **5A**

Use	Impairment (1.13 MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli** Sources: Source Unknown	60051	**2006**	**2018**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (5 of 11 samples - 45.4%) were recorded at DEQ's special study monitoring station (1ABRU029.80) at the Route 55 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.
Recreation	**Fecal Coliform** Sources: Source Unknown	60051	**2006**	**2018**	Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (2 of 11 samples - 18.2%) were recorded at DEQ's special study monitoring station (1ABRU029.80) at the Route 55 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

TMDL Group ID: **60052**

VAN-A19R_BRU01A04	Broad Run	PRINCE WILLIAM CO	Segment begins at the confluence with Kettle Run and continues downstream until the confluence with Cedar Run, forming the Occoquan River/Lake Jackson.

VA Overall AU Category: **5A**

Use	Impairment (2.23 MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli** Sources: Source Unknown	60052	**2006**	**2018**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (4 of 20 samples - 20.0%) were recorded at DEQ's ambient water quality monitoring station (1ABRU001.59) at the Route 692 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Broad Run**

TMDL Group ID: **60131**

VAN-A09R_BRB01A00 **Broad Run** LOUDOUN CO

Segment begins at the confluence with Beaverdam Run, approximately 0.8 rivermile upstream from Route 7, and continues downstream until the confluence with the Potomac River.

VA Overall AU Category: **5A**

Use	Impairment	2.88 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		60131	**2006**	**2018**	The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 12/13/04, limits American eel consumption to no more than two meals per month. The affected area includes the following tributaries in the Potomac River basin between the VA/MD state line near the Route 340 bridge (Loudoun County) to the I-395 bridge (Arlington County); Goose Creek up to the Dulles Greenway Road Bridge, Broad Run up to the Route 625 bridge, Difficult Run up to the Route 7 bridge, and Pimmit Run up to the Route 309 bridge. Exceedances of the water quality criterion based tissue value (TV) of 54 parts per billion (ppb) for polychlorinated biphenyls (PCBs) in fish tissue were recorded in one specie of fish samples collected in 2001 (American eel) and 2004 (American eel) at monitoring station 1ABRB002.15.

Sources: Source Unknown

VAN-A09R_BRB02A06 **Broad Run** LOUDOUN CO

Segment begins at the confluence with Cabin Branch, at rivermile 5.35, and continues downstream until the confluence with Beaverdam Run.

VA Overall AU Category: **5A**

Use	Impairment	2.40 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		60131	**2006**	**2018**	The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 12/13/04, limits American eel consumption to no more than two meals per month. The affected area includes the following tributaries in the Potomac River basin between the VA/MD state line near the Route 340 bridge (Loudoun County) to the I-395 bridge (Arlington County); Goose Creek up to the Dulles Greenway Road Bridge, Broad Run up to the Route 625 bridge, Difficult Run up to the Route 7 bridge, and Pimmit Run up to the Route 309 bridge.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Broad Run**

TMDL Group ID: **60131**

VAN-A09R_BRB03A06	Broad Run	LOUDOUN CO	Segment begins at the Route 625 crossing, at rivermile 6.33, and continues downstream until the confluence with Cabin Branch, at rivermile 5.35.

VA Overall AU Category: **5A**

Use	Impairment	0.98 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		60131	**2006**	**2018**	The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 12/13/04, limits American eel consumption to no more than two meals per month. The affected area includes the following tributaries in the Potomac River basin between the VA/MD state line near the Route 340 bridge (Loudoun County) to the I-395 bridge (Arlington County); Goose Creek up to the Dulles Greenway Road Bridge, Broad Run up to the Route 625 bridge, Difficult Run up to the Route 7 bridge, and Pimmit Run up to the Route 309 bridge.

Sources: Source Unknown

TMDL Watershed Name: **Buckner Creek**

TMDL Group ID: **00910**

VAP-A32E_BUB01A04	Buckner Creek	WESTMORELAND CO	As described in VDH Condemnation 082B, 7/14/04 POTMH Segment shortened in 2006

VA Overall AU Category: **5A**

Use	Impairment	0.09 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		00910	**1998**	**2010**	VAP-A32E-05 VDH Shellfish Condemnation 082B, 7/14/2004

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Buckner Creek, North Prong**

TMDL Group ID: **00917**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-A32E_NOP01A02	**North Prong Buckner Creek**	WESTMORELAND CO	Described in the condemnation notice 004-082C, 7/14/2004. POTMH Mileage adjusted in 2006 Mileage adjusted in 2006

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**	0.02 SQUARE MILES	00917	**1998**	**2010**	VAP-A32E-06 VDH-DSS Condemnation 004-082C, 7/14/2004 Size adjusted in 2006

Sources: Source Unknown

TMDL Watershed Name: **Bull Run**

TMDL Group ID: **00234**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAN-A23R_BUL02A02	**Bull Run**	FAIRFAX CO PRINCE WILLIAM CO	Segment begins at the confluence with Cub Run, at the start of watershed A23R, and continues downstream until the confluence with Popes Head Creek.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**	4.80 MILES	00234	**1996**	**2010**	DEQ benthic macroinvertebrate biological monitoring finds this segment to be moderately impaired.

Sources: Source Unknown

TMDL Group ID: **00235**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAN-A23R_BUL02A02	**Bull Run**	FAIRFAX CO PRINCE WILLIAM CO	Segment begins at the confluence with Cub Run, at the start of watershed A23R, and continues downstream until the confluence with Popes Head Creek.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	4.80 MILES	00235	**2004**	**2016**	Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (3 of 21 samples - 14.3%) were recorded at DEQ's ambient water quality monitoring station (1ABUL010.28) at the Route 28 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bull Run**

TMDL Group ID: **60058**

VAN-A21R_BUL02A00	Bull Run	LOUDOUN CO PRINCE WILLIAM CO	Segment begins at the confluence with Chestnut Lick, approximately 0.7 rivermile upstream from Route 705, and continues downstream until the confluence with an unnamed tributary to Bull Run, at rivermile 22.34.

VA Overall AU Category: **5A**

Use	Impairment	4.37 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		60058	**2006**	**2018**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (2 of 12 samples - 16.7%) were recorded at DEQ's ambient water quality monitoring station (1ABUL025.94) at the Route 705 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sources: Source Unknown

TMDL Group ID: **60136**

VAN-A21R_BUL01A06	Bull Run	FAIRFAX CO PRINCE WILLIAM CO	Segment begins at the confluence with Flat Branch and continues downstream until the confluence with Cub Run.

VA Overall AU Category: **5A**

Use	Impairment	0.18 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		60136	**2006**	**2018**	The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 12/13/04, limits consumption of carp and channel catfish consumption to no more than two meals per month. The affected area includes Bull Run near Manassas Park from the I-66 bridge downstream approximately fourteen miles to the Route 612 (Yates Ford Road) bridge.

Sources: Source Unknown

VAN-A21R_BUL01B06	Bull Run	FAIRFAX CO PRINCE WILLIAM CO	Segment begins at the I-66 crossing and continues downstream until the confluence with Flat Branch.

VA Overall AU Category: **5A**

Use	Impairment	2.54 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		60136	**2006**	**2018**	The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 12/13/04, limits consumption of carp and channel catfish consumption to no more than two meals per month. The affected area includes Bull Run near Manassas Park from the I-66 bridge downstream approximately fourteen miles to the Route 612 (Yates Ford Road) bridge.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bull Run**

TMDL Group ID: **60136**

VAN-A23R_BUL01A06	Bull Run	FAIRFAX CITY PRINCE WILLIAM CO	Segment begins at the boundary of the PWS designation area, at rivermile 5.18, and continues downstream until the beginning of the Occoquan Reservoir, at rivermile 2.89.

VA Overall AU Category: **5A**

Use	Impairment	2.27 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		60136	**2006**	**2018**	The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 12/13/04, limits consumption of carp and channel catfish consumption to no more than two meals per month. The affected area includes Bull Run near Manassas Park from the I-66 bridge downstream approximately fourteen miles to the Route 612 (Yates Ford Road) bridge.

Sources: Source Unknown

VAN-A23R_BUL01B02	Bull Run	FAIRFAX CO PRINCE WILLIAM CO	Segment begins at the Route 612 crossing, at rivermile 5.8, and continues downstream until the boundary of the PWS designation area, at rivermile 5.18.

VA Overall AU Category: **5A**

Use	Impairment	0.62 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		60136	**2006**	**2018**	The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 12/13/04, limits consumption of carp and channel catfish consumption to no more than two meals per month. The affected area includes Bull Run near Manassas Park from the I-66 bridge downstream approximately fourteen miles to the Route 612 (Yates Ford Road) bridge.

Sources: Source Unknown

VAN-A23R_BUL01C04	Bull Run	FAIRFAX CO PRINCE WILLIAM CO	Segment begins at the confluence of Popes Head Creek with Bull Run and continues downstream until rivermile 5.8.

VA Overall AU Category: **5A**

Use	Impairment	0.95 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		60136	**2004**	**2016**	The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 12/13/04, limits consumption of carp and channel catfish consumption to no more than two meals per month. The affected area includes Bull Run near Manassas Park from the I-66 bridge downstream approximately fourteen miles to the Route 612 (Yates Ford Road) bridge.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Bull Run**

TMDL Group ID: **60136**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAN-A23R_BUL02A02	**Bull Run**	FAIRFAX CO PRINCE WILLIAM CO	Segment begins at the confluence with Cub Run, at the start of watershed A23R, and continues downstream until the confluence with Popes Head Creek.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	4.80 MILES	60136	**2004**	**2016**	The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 12/13/04, limits consumption of carp and channel catfish consumption to no more than two meals per month. The affected area includes Bull Run near Manassas Park from the I-66 bridge downstream approximately fourteen miles to the Route 612 (Yates Ford Road) bridge. Additionally. fish tissue data revealed an exceedance of the water quality criterion based tissue value (TV) of 54 parts per billion (ppb) for polychlorinated biphenyls (PCBs) in two species of fish (channel catfish and flathead catfish) in 2001 and one specie (channel catfish) in 2004 at monitoring station 1ABUL010.28.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAN-A24L_OCC02A06	**Occoquan Reservoir**	FAIRFAX CITY PRINCE WILLIAM CO	Segment includes the upper Bull Run arm of the Occoquan Reservoir; extending from rivermile 2.89 on Bull Run downstream until the crossing of the Route 612 (Yates Ford Road) bridge.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	63.00 ACRES	60136	**2006**	**2018**	

Sources: Source Unknown

TMDL Watershed Name: **Cameron Run/Hunting Creek**

TMDL Group ID: **60029**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAN-A13R_CAM01A04	**Cameron Run/Hunting Creek**	ALEXANDRIA CITY FAIRFAX CO	Segment begins at the confluence with Backlick Run and continues downstream until the Route 241 (Telegraph Road) bridge crossing.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	2.12 MILES	60029	**2006**	**2018**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (4 of 12 samples - 33.3%) were recorded at DEQ's ambient water quality monitoring station (1ACAM002.92) at the Eisenhower Avenue bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Catoctin Creek, South Fork**

TMDL Group ID: **00161**

VAN-A02R_SOC03A04	South Fork Catoctin Creek	LOUDOUN CO	Segment begins at the Purcellville town limits and continues downstream until the confluence with an unnamed tributary to South Fork Catoctin Creek, approximately 0.75 rivermile upstream from the Route 287 bridge.

VA Overall AU Category: **5D**

Use	Impairment	3.40 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		00161	**2004**	**2002**	A fecal coliform TMDL for the Catoctin Creek watershed was submitted to the U.S. EPA on April 29, 2002 and approved May 31, 2002. The sources of fecal coliform bacteria requiring reductions are livestock and wildlife waste delivered directly to the stream, and human contributions from straight pipes. Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (3 of 8 samples - 37.5%) were recorded at DEQ's ambient water quality monitoring station (1ASOC012.38) at the Route 690 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. Segment listed as Category 4A - Federal ID 21332.

Sources: Grazing in Riparian or Shoreline Zones
Livestock (Grazing or Feeding Operations)
Sewage Discharges in Unsewered Areas
Waterfowl
Wildlife Other than Waterfowl

TMDL Group ID: **00790**

VAN-A02R_SOC03A04	South Fork Catoctin Creek	LOUDOUN CO	Segment begins at the Purcellville town limits and continues downstream until the confluence with an unnamed tributary to South Fork Catoctin Creek, approximately 0.75 rivermile upstream from the Route 287 bridge.

VA Overall AU Category: **5D**

Use	Impairment	3.40 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		00790	**2004**	**2016**	Both stations 1ASOC011.98 and 1ASOC012.60 had benthic assessments of moderately impaired.

Sources: Commercial Districts (Industrial Parks)
Non-Point Source

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Catoctin Creek, Unnamed Tributary**

TMDL Group ID: **60001**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAN-A02R_XJT01A06	**Unnamed tributary to Catoctin Creek**	LOUDOUN CO	Segment begins at the confluence with an unnamed tributary, approximately 1.2 miles upstream from the Route 693 crossing, and continues downstream until the confluence with Catoctin Creek, at rivermile 9.81.

VA Overall AU Category: **5A**

Use	Impairment	4.12 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		60001	**2006**	**2018**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (4 of 6 samples - 66.7%) were recorded at DEQ's ambient water quality monitoring station (1AXJT002.22) at Cottage Grove Lane to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sources: Source Unknown

TMDL Watershed Name: **Cedar Creek**

TMDL Group ID: **01645**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAV-B52R_CDR04A02	**Cedar Creek**	SHENANDOAH CO	Cedar Creek from the headwaters downstream to its confluence a spring branch near Van Buren Furnace.

VA Overall AU Category: **5A**

Use	Impairment	2.53 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		01645	**2002**	**2014**	

Sources: Wildlife Other than Waterfowl

TMDL Watershed Name: **Chapel Run**

TMDL Group ID: **40004**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAV-B57R_CPL01A00	**Chapel Run**	CLARKE CO	Chapel Run and tributaries from the headwaters downstream to its confluence with the Shenandoah River.

VA Overall AU Category: **5A**

Use	Impairment	9.46 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		40004	**2006**	**2018**	Newly listed for benthics in 2006.

Sources: Non-Point Source
Wildlife Other than Waterfowl

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **01766**

VAP-A34E_BRI01C98	Bridge Creek	NORTHUMBERLAND CO	Described in the condemnation notice 010-105C, 9/15/2004. CB5MH

VA Overall AU Category: **5A**

Use	Impairment	0.09 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01766	**2006**	**2010**	VAP-A34E-27 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries are also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be assessed.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01766	**2006**	**2010**	VAP-A34E-27 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries are also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be assessed.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **01766**

VAP-A34E_BRI02C98 **Bridge Creek** NORTHUMBERLAND CO

Described in the condemnation notice 010-105D, 9/15/2004

Sq. mileage adjusted in 2006, although area did not change

CB5MH

VA Overall AU Category: **5D**

Use	Impairment	0.09 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01766	**2006**	**2010**	VAP-A34E-27

During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries are also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be assessed.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01766	**2006**	**2010**	VAP-A34E-27

During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries are also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be assessed.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **01766**

VAP-A34E_COO01A98	Cod Creek, Trib to Little Wicomico	NORTHUMBERLAND CO	Described in the condemnation notice 105A, 06/10/1997. CB5MH

VA Overall AU Category: **5D**

Use	Impairment	0.08 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01766	**2006**	**2010**	VAP-A34E-27 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries are also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be assessed.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01766	**2006**	**2010**	VAP-A34E-27 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries are also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be assessed.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **01766**

VAP-A34E_ELL01A06 **Ellyson Creek** NORTHUMBERLAND CO Described in VDH-DSS condemnation 010-105A, 9/15/2004

CB5MH

VA Overall AU Category: **5A**

Use	Impairment	0.05 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01766	**2006**	**2010**	VAP-A34E-27 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries are also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be assessed.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01766	**2006**	**2010**	VAP-A34E-27 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries are also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be assessed.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **01766**

VAP-A34E_LIS01A02	Little Wicomico River	NORTHUMBERLAND CO	Described in the VDH-DSS Condemnation Notice 105A, 6/21/2002, not otherwise segmented Size increased by 0.01 sq. mi. in 2004 cycle. CB5MH

VA Overall AU Category: **5A**

Use	Impairment	0.27 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01766	**2006**	**2010**	VAP-A34E-27 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be assessed.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01766	**2006**	**2010**	VAP-A34E-27 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be assessed.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **01766**

VAP-A34E_LIS01A06	Little Wicomico River	NORTHUMBERLAND CO	Described in VDH-DSS condemnation 010-105B, 9/15/2004 not otherwise segmented CB5MH

VA Overall AU Category: **5A**

Use	Impairment	0.15 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01766	**2006**	**2010**	VAP-A34E-27 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries are also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be assessed.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01766	**2006**	**2010**	VAP-A34E-27 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries are also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be assessed.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **01766**

VAP-A34E_LIS01A98 **Little Wicomico River** NORTHUMBERLAND CO Described in the VDH-DSS Condemnation Notice 105B, 6/10/1997

CB5MH

VA Overall AU Category: **5D**

Use	Impairment	0.20 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01766	**2006**	**2010**	VAP-A34E-27

During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries are also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be assessed.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01766	**2006**	**2010**	VAP-A34E-27

During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries are also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be assessed.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **01766**

VAP-A34E_LIS02A00	Little Wicomico River	NORTHUMBERLAND CO	From SFC 101-105B, 9/15/2004 to the Sunnybank Ferry, except as otherwise segmented. Size adjusted in 2006 CB5MH

VA Overall AU Category: **5A**

Use	Impairment	0.58 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01766	**2006**	**2010**	VAP-A34E-27 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries are also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be assessed.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01766	**2006**	**2010**	VAP-A34E-27 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries are also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be assessed.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **01766**

VAP-A34E_LIS03A98 **Little Wicomico River** NORTHUMBERLAND CO Confined to approximately the Sunnybank Ferry Route.

CB5MH

VA Overall AU Category: **5A**

Use	Impairment	0.06 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01766	**2006**	**2010**	VAP-A34E-27 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries are also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be assessed.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01766	**2006**	**2010**	VAP-A34E-27 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries are also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be assessed.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **01766**

VAP-A34E_LIS04A00	Little Wicomico River	NORTHUMBERLAND CO	Downstream of the Sunnybank Ferry Route, except as otherwise segmented. CB5MH

VA Overall AU Category: **5A**

Use	Impairment	1.00 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01766	**2006**	**2010**	VAP-A34E-27 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries are also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be assessed.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01766	**2006**	**2010**	VAP-A34E-27 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries are also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be assessed.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **01766**

VAP-A34E_LIS05A98 **Little Wicomico River: Slough Creek** NORTHUMBERLAND CO

Described in the condemnation notice 010-105E, 9/15/2004.

Expanded in 2006 cycle.

CB5MH

VA Overall AU Category: **5A**

Use	Impairment	0.04 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01766	**2006**	**2010**	VAP-A34E-27

During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries are also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be assessed.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01766	**2006**	**2010**	VAP-A34E-27

During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries are also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be assessed.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **01766**

VAP-A34E_LIS06A06	Little Wicomico River: Slough Creek	NORTHUMBERLAND CO	Described in VDH-DSS condemnation 010-105M1, 9/15/2004. CB5MH

VA Overall AU Category: **5A**

Use	Impairment	0.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01766	**2006**	**2010**	VAP-A34E-27 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries are also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be assessed.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01766	**2006**	**2010**	VAP-A34E-27 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries are also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be assessed.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **10061**

VAP-A34E_BRI01C98	Bridge Creek	NORTHUMBERLAND CO	Described in the condemnation notice 010-105C, 9/15/2004. CB5MH

VA Overall AU Category: **5A**

Use	Impairment	0.09 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **10061**

VAP-A34E_BRI02C98 **Bridge Creek** NORTHUMBERLAND CO

Described in the condemnation notice 010-105D, 9/15/2004

Sq. mileage adjusted in 2006, although area did not change

CB5MH

VA Overall AU Category: **5D**

Use	Impairment	0.09 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Clean Sediments
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sediment Resuspension (Clean Sediment)
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Clean Sediments
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sediment Resuspension (Clean Sediment)
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **10061**

VAP-A34E_COO01A98 **Cod Creek, Trib to Little Wicomico** NORTHUMBERLAND CO Described in the condemnation notice 105A, 06/10/1997.

CB5MH

VA Overall AU Category: **5D**

Use	Impairment (0.08 SQUARE MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**	10061	**2006**	**2010**	VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.
	Sources: Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)				
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**	10061	**2006**	**2010**	VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.
	Sources: Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)				

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **10061**

VAP-A34E_ELL01A06 **Ellyson Creek** NORTHUMBERLAND CO Described in VDH-DSS condemnation 010-105A, 9/15/2004

CB5MH

VA Overall AU Category: **5A**

Use	Impairment	0.05 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **10061**

VAP-A34E_LIS01A02 **Little Wicomico River** NORTHUMBERLAND CO

Described in the VDH-DSS Condemnation Notice 105A, 6/21/2002, not otherwise segmented

Size increased by 0.01 sq. mi. in 2004 cycle.

CB5MH

VA Overall AU Category: **5A**

Use	Impairment	0.27 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Clean Sediments
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sediment Resuspension (Clean Sediment)
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Clean Sediments
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sediment Resuspension (Clean Sediment)
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **10061**

VAP-A34E_LIS01A06	Little Wicomico River	NORTHUMBERLAND CO	Described in VDH-DSS condemnation 010-105B, 9/15/2004 not otherwise segmented CB5MH

VA Overall AU Category: **5A**

Use	Impairment	0.15 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **10061**

VAP-A34E_LIS01A98	Little Wicomico River	NORTHUMBERLAND CO	Described in the VDH-DSS Condemnation Notice 105B, 6/10/1997
			CB5MH

VA Overall AU Category: **5D**

Use	Impairment	0.20 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **10061**

VAP-A34E_LIS02A00 **Little Wicomico River** NORTHUMBERLAND CO

From SFC 101-105B, 9/15/2004 to the Sunnybank Ferry, except as otherwise segmented.

Size adjusted in 2006

CB5MH

VA Overall AU Category: **5A**

Use	Impairment	0.58 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Clean Sediments
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sediment Resuspension (Clean Sediment)
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Clean Sediments
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sediment Resuspension (Clean Sediment)
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **10061**

VAP-A34E_LIS03A98	Little Wicomico River	NORTHUMBERLAND CO	Confined to approximately the Sunnybank Ferry Route. CB5MH

VA Overall AU Category: **5A**

Use	Impairment	0.06 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **10061**

VAP-A34E_LIS04A00	Little Wicomico River	NORTHUMBERLAND CO	Downstream of the Sunnybank Ferry Route, except as otherwise segmented. CB5MH

VA Overall AU Category: **5A**

Use	Impairment	1.00 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **10061**

VAP-A34E_LIS05A98 **Little Wicomico River: Slough Creek** NORTHUMBERLAND CO

Described in the condemnation notice 010-105E, 9/15/2004.

Expanded in 2006 cycle.

CB5MH

VA Overall AU Category: **5A**

Use	Impairment	0.04 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **10061**

VAP-A34E_LIS06A06	Little Wicomico River: Slough Creek	NORTHUMBERLAND CO	Described in VDH-DSS condemnation 010-105M1, 9/15/2004. CB5MH

VA Overall AU Category: **5A**

Use	Impairment	0.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Chopawamsic Creek**

TMDL Group ID: **00804**

VAN-A26R_CHO01A02	Chopawamsic Creek	PRINCE WILLIAM CO STAFFORD CO	Segment begins at the confluence with an unnamed tributary to Chopawamsic Creek, approximately 0.3 rivermile upstream from I-95, and continues downstream until the end of the free flowing waters of Chopawamsic Creek.

VA Overall AU Category: **5A**

Use	Impairment	0.76 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		00804	**2002**	**2014**	Although the data obtained during the 2006 assessment window shows exceedances of the instantaneous pH criterion (1 of 24 samples - 4.2%) is categorized as fully supporting, no additional data has been collected from the USGS ambient water quality monitoring station (01660110) since the previous assessment window. The segment shall remain categorized as impaired.

Sources: Source Unknown

TMDL Group ID: **00805**

VAN-A26E_CHO02A00	Chopawamsic Creek	PRINCE WILLIAM CO STAFFORD CO	Segment extends from approximately 0.5 rivermile upstream, until the end of the tidal waters, until 0.5 rivermile downstream of monitoring station 1ACHO003.65. Portion of CBP segment POTOH.

VA Overall AU Category: **5A**

Use	Impairment	0.12 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00805	**2006**	**2016**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (2 of 10 samples - 20.0%) were recorded at DEQ's ambient water quality monitoring station (1ACHO003.65) at the Route One bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sources: Source Unknown

Use	Impairment	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	00805	**2004**	**2016**	There was only one exceedance of the instantaneous fecal coliform bacteria criterion in sixteen samples collected at DEQ's ambient water quality monitoring station (1ACHO003.65) at the Route One bridge. However, there have been no fecal coliform sampling events since the 2004 assessment, when the segment was first listed for a bacterial impairment. The segment shall keep the fecal coliform impairment.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Chopawamsic Creek, North Branch**

TMDL Group ID: **00806**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAN-A26R_NOR01A02	**North Branch Chopawamsic Creek**	PRINCE WILLIAM CO STAFFORD CO	Segment begins at the headwaters of North Branch Chopawamsic Creek and continues downstream until the confluence with Middle Branch.

VA Overall AU Category: **5A**

Use	Impairment	6.90 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00806	**2004**	**2016**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (3 of 12 samples - 25.0%) were recorded at USGS station 01659000 to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sources: Source Unknown

TMDL Watershed Name: **Coan Mill**

TMDL Group ID: **00946**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-A34R_CON01A00	**Coan Mill Stream**	NORTHUMBERLAND CO	From the confluence with the unnamed trib at rivermile 1.53 to the Coan River.

VA Overall AU Category: **5A**

Use	Impairment	1.53 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		00946	**2002**	**2014**	VAP-A34R-01 In the 2002 cycle, Coan Mill Stream was assessed not supporting of the Aquatic Life use goal based on a fecal coliform violation rate of 6/20 at Route 360 (1ACON000.96). There has been no additional monitoring since 2001.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Coan River**

TMDL Group ID: **00175**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-A34E_XFJ01A98	**Coan River, UT**	NORTHUMBERLAND CO	Described in the condemnation notice 008-214D, 12/29/2003. POTMH Size increased during 2004 cycle (0.02 to 0.05 sq. mi)

VA Overall AU Category: **5A**

Use	Impairment	Impairment	0.05 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**			00175	**1998**	**2010**	VAP-A34E-04 VDH-DSS condemnation 8-214D, 12/29/2003 The shellfish condemnation for this segment was included in "Coan River Watershed Total Maximum Daily Load (TMDL) Report for Six Shellfish Areas,." which was approved by EPA on 12/02/2004. The segment should be classified as Category 4A for shellfish consumption.

Sources: Non-Point Source

TMDL Group ID: **10057**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-A34E_COA01A02	**Coan River**	NORTHUMBERLAND CO	Described in the VDH-DSS Condemnation Notice 145H, 11/27/2002, not otherwise segmented. Size adjusted in 2006 POTMH

VA Overall AU Category: **5A**

Use	Impairment	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**			10057	**2006**	**2018**	VAP-A34E-19 VDH Fish Consumption Advisory (12/13/2004) for PCBs in gizzard shad, white perch, and channel catfish

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-A34E_COA01A06	**Coan River**	NORTHUMBERLAND CO	Described in SFC 008-214E, 12/29/2003 not otherwise segmented. POTMH

VA Overall AU Category: **5A**

Use	Impairment	Impairment	0.06 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**			10057	**2006**	**2018**	VAP-A34E-19 VDH Fish Consumption Advisory (12/13/2004) for PCBs in gizzard shad, white perch, and channel catfish

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Coan River**

TMDL Group ID: **10057**

VAP-A34E_COA01A98 **Coan River** NORTHUMBERLAND CO

Described in the VDH-DSS Condemnation Notice 145I, 2/25/1997, not otherwise segmented.

POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.33 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		10057	**2006**	**2018**	VAP-A34E-19 VDH Fish Consumption Advisory (12/13/2004) for PCBs in gizzard shad, white perch, and channel catfish

Sources: Source Unknown

VAP-A34E_COA02A02 **Coan River** NORTHUMBERLAND CO

From SFC 008-214E, 12/29/2003 to its mouth at the Potomac, excluding otherwise segmented waterbodies.

Segment adjusted in 2006 cycle.

POTMH

VA Overall AU Category: **5A**

Use	Impairment	2.65 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		10057	**2006**	**2018**	VAP-A34E-19 VDH Fish Consumption Advisory (12/13/2004) for PCBs in gizzard shad, white perch, and channel catfish

Sources: Source Unknown

TMDL Group ID: **10068**

VAP-A34E_COA01A06 **Coan River** NORTHUMBERLAND CO

Described in SFC 008-214E, 12/29/2003 not otherwise segmented.

POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.06 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		10068	**2006**	**2018**	VAP-A34E-32 The Coan River shellfish impairment expanded in the 2006 cycle (008-214E, 12/29/2003); the TMDL for this portion is due in 2018.

Sources: Non-Point Source

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Coan River**

TMDL Group ID: **85010**

VAP-A34E_COA01A02 **Coan River** NORTHUMBERLAND CO

Described in the VDH-DSS Condemnation Notice 145H, 11/27/2002, not otherwise segmented.

Size adjusted in 2006

POTMH

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**	0.02	SQUARE MILES	85010	**1998**	**2016**	VAP-A34E-05

Headly Cove, Mill Creek and a portion of the Coan River were assessed as impaired of the Shellfish Use in 1998 because of VDH SFC 145H and 145I, 2/25/1997. During the 2004 cycle, the segments expanded and merged due to VDH-DSS Condemnation Notice 145H, 11/27/2002. However the 12/18/2003 Coan River Shellfish TMDL report only addressed the original impairments, which will be considered Cat. 4A. The TMDL for the 2004 area is due in 2016. In addition, the segment expanded downstream again in the 2006 cycle; the TMDL for that portion is due in 2018 and is addressed in fact sheet VAP-A34E-32 (10068).

Sources: Non-Point Source

VAP-A34E_COA01A98 **Coan River** NORTHUMBERLAND CO

Described in the VDH-DSS Condemnation Notice 145I, 2/25/1997, not otherwise segmented.

POTMH

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**	0.33	SQUARE MILES	85010	**1998**	**2010**	VAP-A34E-05

Headly Cove, Mill Creek and a portion of the Coan River were assessed as impaired of the Shellfish Use in 1998 because of VDH SFC 145H and 145I, 2/25/1997. During the 2004 cycle, the segments expanded and merged due to VDH-DSS Condemnation Notice 145H, 11/27/2002. However the 12/18/2003 Coan River Shellfish TMDL report only addressed the original impairments, which will be considered Cat. 4A. The TMDL for the 2004 area is due in 2016. In addition, the segment expanded downstream again in the 2006 cycle; the TMDL for that portion is due in 2018 and is addressed in fact sheet VAP-A34E-32 (10068).

Sources: Non-Point Source

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Cod Creek**

TMDL Group ID: **00172**

VAP-A34E_COO01A98 **Cod Creek, Trib to Little Wicomico** NORTHUMBERLAND CO

Described in the condemnation notice 105A, 06/10/1997.

CB5MH

VA Overall AU Category: **5D**

Use	Impairment	0.08 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		00172	**1998**	**2003**	Category 4A VAP-A34E-15 Cod Creek was assessed as impaired during the 1998 cycle because of VDH-DSS Shellfish Condemnation 105B, 6/10/1997. In the 2004 cycle, the segment was shortened by 0.3 sq. mi., however the 12/18/2003 Little Wicomico River TMDL report included the entire 1998 segment. This segment will be classified as Cat. 4A during the 2006 cycle.

Sources: Non-Point Source

TMDL Group ID: **00177**

VAP-A34E_COC01A98 **Cod Creek** NORTHUMBERLAND CO

Described in the condemnation notice 009-141A, 12/22/04.

Segment extended in 2006 into 2004 segment VAP-A34E_COC02A04, which was deleted.

POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.10 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		00177	**1998**	**2010**	VAP-A34E-07 VDH-DSS Shellfish Condemnation 141A, 12/22/2004 Segment extended in 2006

Sources: Source Unknown

VAP-A34E_COC01B02 **Cod Creek** NORTHUMBERLAND CO

Described in the condemnation notice 009-141B, 12/22/2004

POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.04 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		00177	**1998**	**2010**	VAP-A34E-08 VDH-DSS Condemnation 009-141B, 12/22/2004

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Cold Harbor Bay**

TMDL Group ID: **00911**

VAP-A32E_CHB01A98	Cold Harbor Bay	WESTMORELAND CO	Described in the condemnation notice 004-184A, 8/23/04. POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.09 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		00911	**2004**	**2016**	VAP-A32E-01 VDH Shellfish Condemnation 004-184, 8/23/2004

Sources: Source Unknown

TMDL Watershed Name: **Coles Run**

TMDL Group ID: **50058**

VAV-B31R_CLS01A00	Coles Run	AUGUSTA CO	Coles Run from the headwaters downstream to its confluence with South River.

VA Overall AU Category: **5A**

Use	Impairment	6.12 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		50058	**2006**	**2018**	Newly listed for pH in 2006.

Sources: Atmospheric Deposition - Acidity

TMDL Watershed Name: **Crooked Run**

TMDL Group ID: **01626**

VAV-B56R_CRO01A00	Crooked Run	FREDERICK CO WARREN CO	Crooked Run excluding the tributary feeding the east arm of Lake Frederick from the headwaters downstream to its confluence with the Shenandoah River.

VA Overall AU Category: **5A**

Use	Impairment	11.88 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		01626	**2002**	**2014**	

Sources: Non-Point Source
Wildlife Other than Waterfowl

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Crooked Run**

TMDL Group ID: **60004**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAN-A04R_CRA01A04	**Crooked Run**	FAUQUIER CO	Segment begins at the confluence with an unnamed tributary to Crooked Run, just downstream from Route 724, and continues downstream until the confluence with Goose Creek.

VA Overall AU Category: **5A**

Use	Impairment	1.82 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		60004	**2006**	**2018**	Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (3 of 7 samples - 42.8%) were recorded at DEQ's ambient water quality monitoring station (1ACRA000.42) at the Route 623 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sources: Source Unknown

TMDL Watershed Name: **Crooked Run, Cross Tributary**

TMDL Group ID: **50010**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAV-B56R_XCR01A06	**X-trib to Crooked Run**	WARREN CO	X-trib to Crooked Run from its headwaters downstream to its confluence with Crooked Run

VA Overall AU Category: **5A**

Use	Impairment	0.09 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		50010	**2006**	**2018**	Newly listed for dissolved oxygen in 2006.

Sources: Source Unknown

TMDL Watershed Name: **Cub Run**

TMDL Group ID: **00632**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAV-B37R_CUB01A00	**Cub Run**	PAGE CO ROCKINGHAM CO	Cub Run originating on the east side of the Massanutten Mountain from the headwaters downstream to its confluence with the South Fork Shenandoah River.

VA Overall AU Category: **5A**

Use	Impairment	9.64 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		00632	**2004**	**2016**	

Sources: Non-Point Source
Wildlife Other than Waterfowl

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Cub Run**

TMDL Group ID: **60059**

VAN-A22R_CUB01A00	Cub Run	FAIRFAX CITY	Segment begins at the confluence with Elklick Run and continues downstream until the confluence with Bull Run.

VA Overall AU Category: **5A**

Use	Impairment	6.75 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		60059	**2006**	**2018**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (3 of 15 samples - 20.0%) were recorded at DEQ's ambient water quality monitoring station (1ACUB002.61) at the Route 658 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sources: Source Unknown

TMDL Watershed Name: **Cubitt Creek**

TMDL Group ID: **00935**

VAP-A34E_CUT01A98	Cubitt Creek	NORTHUMBERLAND CO	Described in the condemnation notice 009-168, 4/27/1989 POTMH.

VA Overall AU Category: **5A**

Use	Impairment	0.23 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		00935	**1998**	**2010**	VAP-A34E-14 VDH-DSS Shellfish Condemnation 168, 4/27/1989

Sources: Source Unknown

TMDL Group ID: **00936**

VAP-A34E_CUT01A98	Cubitt Creek	NORTHUMBERLAND CO	Described in the condemnation notice 009-168, 4/27/1989 POTMH.

VA Overall AU Category: **5A**

Use	Impairment	0.23 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		00936	**1998**	**2016**	VAP-A34E-14 The segment was listed for the Recreation Use in 2004 due to a fecal coliform violation rate of 3/20 at 1ACUT000.58. The TMDL is due in 2016. There has been no additional bacteria monitoring since 2001, therefore the impairment is carried over.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Currioman Creek**

TMDL Group ID: **00912**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-A32E_CUR01A98	**Currioman Creek**	WESTMORELAND CO	Described in the condemnation notice 004-184B, 8/23/2004. Square mileage adjusted in 2006. POTMH

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**	0.05	SQUARE MILES	00912	**1998**	**2010**	VAP-A32E-02 VDH Shellfish Condemnation 004-184B, 8/23/2004

Sources: Source Unknown

TMDL Watershed Name: **Curtis Lake**

TMDL Group ID: **50555**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAN-A29L_LOH02A02	**Curtis Lake**	STAFFORD CO	Segment includes all of Curtis Lake on Long Branch.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	54.00	ACRES	50555	**2006**	**2018**	Sufficient exceedances of the instantaneous dissolved oxygen criterion (8 of 41 samples - 19.5%) were recorded at DEQ's lake ambient water quality monitoring station (1ALOH007.93), one hundred feet from the dam, to assess this stream segment as not supporting of the aquatic life use goal for the 2006 water quality assessment. Note: Curtis Lake is managed by the Virginia Department of Game and Inland Fisheries. Sampling events occurred two weeks after the lake was fertilized in both June and August 2004.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Curtis Lake**

TMDL Group ID: **50556**

VAN-A29L_LOH02A02	Curtis Lake	STAFFORD CO	Segment includes all of Curtis Lake on Long Branch.

VA Overall AU Category: **5A**

Use	Impairment	54.00 ACRES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		50556	**2002**	**2010**	Sufficient exceedances of the instantaneous pH criterion (7 of 41 samples - 17.1%) were recorded at DEQ's lake ambient water quality monitoring station (1ALOH007.93), one hundred feet from the dam, to assess this stream segment as not supporting of the aquatic life use goal for the 2006 water quality assessment. Note: Curtis Lake is managed by the Virginia Department of Game and Inland Fisheries. Sampling events occurred two weeks after the lake was fertilized in both June and August 2004.

Sources: Source Unknown

TMDL Watershed Name: **Deep Run**

TMDL Group ID: **01618**

VAV-B33R_DPR01A00	Deep Run	ROCKINGHAM CO	Deep Run from the headwaters downstream to its confluence with the South Fork Shenandoah River.

VA Overall AU Category: **5A**

Use	Impairment	4.33 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		01618	**2004**	**2016**	

Sources: Atmospheric Deposition - Acidity

TMDL Watershed Name: **Difficult Run**

TMDL Group ID: **00304**

VAN-A11R_DIF01A00	Difficult Run	FAIRFAX CO	Segment begins at the confluence with Captain Hickory Run, approximately 0.6 rivermile upstream from Route 683, and continues downstream until the confluence with the Potomac River.

VA Overall AU Category: **5A**

Use	Impairment	2.93 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		00304	**1996**	**2010**	DEQ benthic macroinvertebrate biological monitoring finds this segment to be moderately impaired, resulting in an impaired classification of the aquatic life use.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Difficult Run**

TMDL Group ID: **00793**

VAN-A11R_DIF01A00	Difficult Run	FAIRFAX CO	Segment begins at the confluence with Captain Hickory Run, approximately 0.6 rivermile upstream from Route 683, and continues downstream until the confluence with the Potomac River.

VA Overall AU Category: **5A**

Use	Impairment	2.93 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00793	**2004**	**2016**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (4 of 13 samples - 30.8%) were recorded at DEQ's ambient water quality monitoring station (1ADIF000.86) at the Route 193 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. The segment was previously listed for fecal coliform and E.coli bacteria impairments, beginning in 2004.

Sources: Source Unknown

TMDL Group ID: **60015**

VAN-A11R_DIF01A00	Difficult Run	FAIRFAX CO	Segment begins at the confluence with Captain Hickory Run, approximately 0.6 rivermile upstream from Route 683, and continues downstream until the confluence with the Potomac River.

VA Overall AU Category: **5A**

Use	Impairment	2.93 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**Heptachlor epoxide**		60015	**2006**	**2018**	Fish tissue data revealed an exceedance of the water quality criterion based tissue value (TV) of 12 parts per billion (ppb) for heptachlor epoxide. Both of these exceedances were found in American eel, first in 2001 and again in 2004.

Sources: Source Unknown

TMDL Group ID: **60017**

VAN-A11R_DIF03A02	Difficult Run	FAIRFAX CO	Segment begins at confluence with Rocky Branch, approximately 0.25 rivermile upstream of Route 672, and continues downstream until the confluence with Piney Branch.

VA Overall AU Category: **5A**

Use	Impairment	3.24 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		60017	**2006**	**2018**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (2 of 8 samples - 25.0%) were recorded at DEQ's ambient water quality monitoring station (1ADIF010.48) at the Route 672 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Difficult Run**

TMDL Group ID: **60132**

VAN-A11R_DIF01A00 **Difficult Run** FAIRFAX CO

Segment begins at the confluence with Captain Hickory Run, approximately 0.6 rivermile upstream from Route 683, and continues downstream until the confluence with the Potomac River.

VA Overall AU Category: **5A**

Use	Impairment	2.93 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		60132	**2006**	**2018**	The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 12/13/04, limits American eel consumption to no more than two meals per month. The affected area includes the following tributaries in the Potomac River basin between the VA/MD state line near the Route 340 bridge (Loudoun County) to the I-395 bridge (Arlington County); Goose Creek up to the Dulles Greenway Road Bridge, Broad Run up to the Route 625 bridge, Difficult Run up to the Route 7 bridge, and Pimmit Run up to the Route 309 bridge.

Sources: Source Unknown

VAN-A11R_DIF01B06 **Difficult Run** FAIRFAX CO

Segment begins at the Route 7 bridge crossing and continues downstream until the confluence with Captain Hickory Run, approximately 0.6 rivermile upstream from Route 683.

VA Overall AU Category: **5A**

Use	Impairment	1.09 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		60132	**2006**	**2018**	The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 12/13/04, limits American eel consumption to no more than two meals per month. The affected area includes the following tributaries in the Potomac River basin between the VA/MD state line near the Route 340 bridge (Loudoun County) to the I-395 bridge (Arlington County); Goose Creek up to the Dulles Greenway Road Bridge, Broad Run up to the Route 625 bridge, Difficult Run up to the Route 7 bridge, and Pimmit Run up to the Route 309 bridge.

Sources: Source Unknown

TMDL Watershed Name: **Dogue Creek**

TMDL Group ID: **60031**

VAN-A14E_DOU01A00 **Dogue Creek** FAIRFAX CO

Segment includes all tidal waters of Dogue Creek, extending from approximately rivermile 2.1 until the confluence with the Potomac River. Portion of CBP segment POTTF.

VA Overall AU Category: **5A**

Use	Impairment	0.74 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		60031	**2006**	**2018**	Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (5 of 24 samples - 20.1%) were recorded at DEQ's ambient water quality monitoring station (1ADOU000.60) to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Drum Cove**

TMDL Group ID: **10054**

VAP-A33E_DRM01A06	Drum Cove	NORTHUMBERLAND CO	Described in 007-028D, 07/21/2004 POTMH Segment shortened in 2006 POTMH

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**	0.04	SQUARE MILES	10054	**2006**	**2018**	VAP-A33E-06 VDH-DSS Shellfish Condemnation 007-028D, 7/21/2004

Sources: Source Unknown

TMDL Watershed Name: **Dry Fork**

TMDL Group ID: **01633**

VAV-B47R_DFK01A00	Dry Fork	ROCKINGHAM CO	Dry Fork from the headwaters downstream to its confluence with Smith Creek.

VA Overall AU Category: **5D**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	10.08	MILES	01633	**2004**	**2004**	Category 4A- Federal TMDL ID # 21281

Sources: Non-Point Source
Wildlife Other than Waterfowl

TMDL Group ID: **40003**

VAV-B47R_DFK01A00	Dry Fork	ROCKINGHAM CO	Dry Fork from the headwaters downstream to its confluence with Smith Creek.

VA Overall AU Category: **5D**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**	10.08	MILES	40003	**2006**	**2018**	Newly listed for benthics in 2006.

Sources: Non-Point Source

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Dry River**

TMDL Group ID: **01608**

VAV-B20R_DUR01A00 **Dry River** ROCKINGHAM CO

Dry River from the City of Harrisonburg water intake downstream to its confluence with Blacks Run.

VA Overall AU Category: **5A**

Use	Impairment		1.52 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**			01608	**2002**	**2014**	

Sources: Atmospheric Deposition - Acidity

VAV-B20R_DUR02A00 **Dry River** ROCKINGHAM CO

Dry River from the 5 miles PWS designation downstream to the City of Harrisonburg Water Intake.

VA Overall AU Category: **5A**

Use	Impairment		4.95 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**			01608	**2002**	**2014**	

Sources: Atmospheric Deposition - Acidity

VAV-B20R_DUR03A00 **Dry River** ROCKINGHAM CO

Dry River from its confluence with Low Place Run downstream to the 5 mile PWS designation for the City of Harrisonburg Water Intake.

VA Overall AU Category: **5A**

Use	Impairment		3.61 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**			01608	**2002**	**2014**	

Sources: Atmospheric Deposition - Acidity

VAV-B21R_DUR04A00 **Dry River** ROCKINGHAM CO

Dry River from its confluence with Blacks Run downstream to the Route 613 bridge.

VA Overall AU Category: **5A**

Use	Impairment		3.96 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**			01608	**2004**	**2016**	

Sources: Atmospheric Deposition - Acidity

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Dungan Cove**

TMDL Group ID: **00920**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-A33E_DUA01A04	**Dungan Cove**	NORTHUMBERLAND CO	As described in VDH Shellfish Condemnation 007-028G, 7/14/2006 Mileage adjusted slightly in 2006 although area did not change. POTMH

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**	0.02	SQUARE MILES	00920	**2004**	**2016**	VAP-A33E-11 VDH-DSS condemnation 007-028G, 7/14/2004 Mileage adjusted slightly in 2006, although area did not change

Sources: Source Unknown

TMDL Watershed Name: **Elkhorn Lake**

TMDL Group ID: **50070**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAV-B16L_NTH01A04	**Elkhorn Lake**	AUGUSTA CO	Elkhorn Lake

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**	49.63	ACRES	50070	**2006**	**2018**	Newly listed impairment for pH in 2006

Sources: Atmospheric Deposition - Acidity

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Elklick Run**

TMDL Group ID: **60060**

VAN-A22R_ELC01A04	Elklick Run	FAIRFAX CO	Segment begins at the confluence with an unnamed tributary to Elklick Run, approximately 0.65 rivermile downstream from the Route 620 crossing, and continues downstream until the confluence with Cub Run.

VA Overall AU Category: **5A**

Use	Impairment	2.16 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		60060	**2006**	**2018**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (3 of 3 samples - 100%) were recorded at DEQ's ambient water quality monitoring station (1AELC001.39) at the Route 609 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.
		Sources: Source Unknown				
Recreation	**Fecal Coliform**		60060	**2006**	**2018**	Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (2 of 11 samples - 18.2%) were recorded at DEQ's ambient water quality monitoring station (1AELC001.39) at the Route 609 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.
		Sources: Source Unknown				

TMDL Watershed Name: **Ellyson Creek**

TMDL Group ID: **10065**

VAP-A34E_ELL01A06	Ellyson Creek	NORTHUMBERLAND CO	Described in VDH-DSS condemnation 010-105A, 9/15/2004 CB5MH

VA Overall AU Category: **5A**

Use	Impairment	0.05 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		10065	**2006**	**2018**	VAP-A34E-29 VDH-DSS condemnation 010-105A, 9/15/2004
		Sources: Source Unknown				

TMDL Watershed Name: **Fairview Beach (Potomac River)**

TMDL Group ID: **60069**

VAN-A29E_POT01A06	Fairview Beach/ Potomac River	KING GEORGE CO	Segment includes all of Fairview Beach on the Potomac River. Portion of CBP segment POTOH.

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Enterococcus**		60069	**2006**	**2018**	Sufficient exceedances of the instantaneous enterococci bacteria criterion (32 of 145 samples - 22.1%) were recorded at VDH station (VA351214) at Fairview Beach to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.
		Sources: Source Unknown				

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Flint Run**

TMDL Group ID: **01622**

VAV-B40R_FNT01A00	Flint Run	WARREN CO	Flint Run and tributary from the headwaters downstream to its confluence with the South Fork Shenandoah River.

VA Overall AU Category: **5A**

Use	Impairment	11.45 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		01622	**2004**	**2016**	

Sources: Non-Point Source
Wildlife Other than Waterfowl

TMDL Watershed Name: **Fountain Cove**

TMDL Group ID: **10056**

VAP-A34E_FTN01A06	Fountain Cove	NORTHUMBERLAND CO	Described in VDH-DSS condemnation 009-142B, 12/22/2004 POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.04 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		10056	**2006**	**2018**	VAP-A34E-06 VDH-DSS condemnation 009-142B, 12/22/2004

Sources: Source Unknown

TMDL Watershed Name: **Fourmile Run**

TMDL Group ID: **00305**

VAN-A12E_FOU01A00	Fourmile Run	ALEXANDRIA CITY ARLINGTON CO	Segment includes the tidal waters of Fourmile Run; from rivermile 1.46 downstream until the confluence with the Potomac River, at the state line. Portion of CBP segment POTTF.

VA Overall AU Category: **5A**

Use	Impairment	0.05 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00305	**2004**	**2010**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (2 of 5 samples - 40.0%) were recorded at DEQ's ambient water quality monitoring station (1AFOU000.19) at the George Washington Parkway bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sources: Source Unknown

Use	Impairment	0.05 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		00305	**1996**	**2010**	Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (6 of 17 samples - 35.3%) were recorded at DEQ's ambient water quality monitoring station (1AFOU000.19) at the George Washington Parkway bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Fridley Run**

TMDL Group ID: **01634**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAV-B47R_FDY01A02	**Fridley Run**	ROCKINGHAM CO	Fridley Run from the headwaters downstream to its confluence with Mountain Run.

VA Overall AU Category: **5A**

Use	Impairment	2.40 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		01634	**2002**	**2014**	

Sources: Atmospheric Deposition - Acidity

TMDL Group ID: **50063**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAV-B47R_FDY01A02	**Fridley Run**	ROCKINGHAM CO	Fridley Run from the headwaters downstream to its confluence with Mountain Run.

VA Overall AU Category: **5A**

Use	Impairment	2.40 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		50063	**2006**	**2014**	Newly listed for pH in 2006.

Sources: Atmospheric Deposition - Acidity

TMDL Watershed Name: **Gambo Creek, Upper Machodoc Creek**

TMDL Group ID: **00821**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAN-A30E_GAM01A02	**Gambo Creek**	KING GEORGE CO	The Gambo Creek portion of the condemned area described in VDH Notice and Description of Shellfish Area Condemnation Number 001A-36, Upper Machodoc Creek, Section A, effective July 15, 2004. Portion of CBP segment POTMH.

VA Overall AU Category: **5A**

Use	Impairment	0.16 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		00821	**1998**	**2010**	The shellfishing use is categorized as impaired due to a Virginia Department of Health, Division of Shellfish Sanitation, Notice and Description of Shellfish Area Condemnation Number 001A-036, Upper Machodoc Creek. The advisory, dated 7/15/04, states, "It shall be unlawful for any person, firm, or corporation to take shellfish from these areas for any purpose, except by permit granted by the Marine Resources Commission, as provided in Section 28.2-810 of the Code of Virginia."

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Gap Run**

TMDL Group ID: **30100**

VAN-A04R_GAR01A04	Gap Run	FAUQUIER CO	Segment begins at the confluence with an unnamed tributary to Gap Run, just downstream from Route 712, and continues downstream until the confluence with Goose Creek.

VA Overall AU Category: **5A**

Use	Impairment	3.02 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		30100	**2004**	**2016**	Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (4 of 9 samples - 44.4%) were recorded at DEQ's ambient water quality monitoring station (1AGAR002.24) at the Route 623 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sources: Source Unknown

TMDL Watershed Name: **Gardner Creek**

TMDL Group ID: **00921**

VAP-A33E_GAD01A98	Gardner Creek	WESTMORELAND CO	Described in the condemnation notice 143, 7/2/2002. Size adjusted in 2006 cycle POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.13 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		00921	**1998**	**2010**	VAP-A33E-01 VDH-DSS condemnation 143, 7/2/2002 Size adjusted during 2002 cycle, although area did not change

Sources: Source Unknown

TMDL Watershed Name: **Goldman Creek**

TMDL Group ID: **10052**

VAP-A31E_GLD01A00	Goldman Creek	WESTMORELAND CO	Described in previous condemnation notice 088A . POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.05 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		10052	**2002**	**2018**	VAP-A31E-03 VDH-DSS Shellfish Condemnation 001-088B, 9/22/2004

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Gooney Run**

TMDL Group ID: **50039**

VAV-B40R_GNY01A00	Gooney Run	WARREN CO	Gooney Run and tributaries from the headwaters downstream to its confluence with the South Fork Shenandoah River.

VA Overall AU Category: **5A**

Use	Impairment	17.90 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Temperature, water**		50039	**2006**	**2018**	Newly listed for temperature in 2006.

Sources: Source Unknown

TMDL Watershed Name: **Goose Creek**

TMDL Group ID: **00062**

VAN-A08R_GOO01A00	Goose Creek	LOUDOUN CO	Segment begins below the Goose Creek impoundment and continues downstream until the confluence with the Potomac River.

VA Overall AU Category: **5D**

Use	Impairment	4.77 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00062	**2006**	**2003**	A fecal coliform TMDL for the Goose Creek watershed was approved by the U.S. EPA on May 1, 2003. The sources of fecal coliform bacteria requiring reductions are direct deposition from cattle, pasture run-off, and human contributions from failing septics systems and straight pipes. Sufficient exceedances of the instantaneous E.coli bacteria criterion (5 of 13 samples - 38.5%) were recorded at DEQ's ambient water quality monitoring station (1AGOO002.38) at the Route 7 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. The segment was previously listed for a fecal coliform bacteria impairment, beginning in 2002. Segment listed as Category 4A - Federal ID 18813.

Sources: Grazing in Riparian or Shoreline Zones
Livestock (Grazing or Feeding Operations)
Sewage Discharges in Unsewered Areas

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Goose Creek**

TMDL Group ID: **00071**

VAN-A08R_GOO01A00 **Goose Creek** LOUDOUN CO

Segment begins below the Goose Creek impoundment and continues downstream until the confluence with the Potomac River.

VA Overall AU Category: **5D**

Use	Impairment	4.77 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		00071	**1998**	**2004**	A benthic TMDL for the Goose Creek watershed was approved by the U.S. EPA on April 26, 2004. Goose Creek and Little River are borderline cases of aquatic life impairments. For the most part, they are classified as slightly impaired when compared to their reference sites. The presence of sediment tolerant species in greater abundance in Goose Creek and Little River represents the clearest difference between the impaired sites and their references. It is therefore likely that sediment loads in excess of those found in their references are the cause of the differences observed in the macroinvertebrate communities in Goose Creek and Little River. Segment listed as Category 4A - Federal ID 18814.

Sources: Crop Production (Crop Land or Dry Land)
Post-development Erosion and Sedimentation
Rangeland Grazing
Site Clearance (Land Development or Redevelopment)

TMDL Group ID: **20022**

VAN-A04R_GOO01A00 **Goose Creek** FAUQUIER CO

Segment begins at the confluence with Kettle Run, at rivermile 46.51, and continues downstream until the confluence with Bolling Branch, at rivermile 42.35.

VA Overall AU Category: **5A**

Use	Impairment	4.16 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		20022	**2006**	**2010**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (8 of 12 samples - 66.7%) were recorded at DEQ's ambient water quality monitoring station (1AGOO044.36) at the Route 17 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. The segment was previously listed for a fecal coliform bacteria impairment, beginning in 2004.

Sources: Grazing in Riparian or Shoreline Zones
Livestock (Grazing or Feeding Operations)
Sewage Discharges in Unsewered Areas

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Goose Creek**

TMDL Group ID: **60005**

VAN-A05R_GOO02A06 **Goose Creek** LOUDOUN CO

Segment begins at the confluence with Panther Skin Creek and continues downstream until the confluence with Rocky Creek.

VA Overall AU Category: **5A**

Use	Impairment	2.68 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		60005	**2006**	**2018**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (7 of 13 samples - 53.8%) were recorded at DEQ's ambient water quality monitoring station (1AGOO030.75) at the Route 611 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sources: Source Unknown

VAN-A05R_GOO02B06 **Goose Creek** FAUQUIER CO LOUDOUN CO

Segment begins at the confluence with an unnamed tributary to Goose Creek, at rivermile 35.28, and continues downstream until the confluence with Panther Skin Creek.

VA Overall AU Category: **5A**

Use	Impairment	2.62 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		60005	**2006**	**2018**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (3 of 8 samples - 37.5%) were recorded at DEQ's ambient water quality monitoring station (1AGOO034.20) at the Route 624 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sources: Source Unknown

TMDL Group ID: **60011**

VAN-A08R_GOO03A02 **Goose Creek** LOUDOUN CO

Segment begins at the confluence with the Little River and extends downstream until the backwaters of the Goose Creek Reservoir, at approximately rivermile 10.2.

VA Overall AU Category: **5A**

Use	Impairment	3.20 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		60011	**2006**	**2018**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (4 of 13 samples - 30.8%) were recorded at DEQ's ambient water quality monitoring station (1AGOO011.23) at the Route 621 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Goose Creek**

TMDL Group ID: **60130**

VAN-A08L_GOO02A02 — **Goose Creek Reservoir** — LOUDOUN CO

Segment includes the impounded waters north of the Dulles Greenway Road bridge.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	38.00 ACRES	60130	**2006**	**2018**	The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 12/13/04, limits American eel consumption to no more than two meals per month. The affected area includes the following tributaries in the Potomac River basin between the VA/MD state line near the Route 340 bridge (Loudoun County) to the I-395 bridge (Arlington County); Goose Creek up to the Dulles Greenway Road Bridge, Broad Run up to the Route 625 bridge, Difficult Run up to the Route 7 bridge, and Pimmit Run up to the Route 309 bridge.

Sources: Source Unknown

VAN-A08R_GOO01A00 — **Goose Creek** — LOUDOUN CO

Segment begins below the Goose Creek impoundment and continues downstream until the confluence with the Potomac River.

VA Overall AU Category: **5D**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	4.77 MILES	60130	**2006**	**2018**	The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 12/13/04, limits American eel consumption to no more than two meals per month. The affected area includes the following tributaries in the Potomac River basin between the VA/MD state line near the Route 340 bridge (Loudoun County) to the I-395 bridge (Arlington County); Goose Creek up to the Dulles Greenway Road Bridge, Broad Run up to the Route 625 bridge, Difficult Run up to the Route 7 bridge, and Pimmit Run up to the Route 309 bridge.

Sources: Source Unknown

TMDL Group ID: **60151**

VAN-A05R_GOO01A00 — **Goose Creek** — LOUDOUN CO

Segment begins at the confluence with Wancopin Creek, at rivermile 23.46, and continues downstream until the confluence with North Fork Goose Creek, at rivermile 16.58.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	6.88 MILES	60151	**2004**	**2016**	Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (4 of 25 samples - 16.0%) were recorded at DEQ's ambient water quality monitoring station (1AGOO022.44) at the Route 734 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Hampton Hall Branch**

TMDL Group ID: **00922**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-A33E_HAM01A02	**Hampton Hall Branch, Kinsale Branch**	NORTHUMBERLAND CO WESTMORELAND CO	Described in the condemnation notice 007-028C, 7/21/2004. Segment expanded and incorporated the segment VAP-A33E_KIS01A00 in 2006 POTMH

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**	0.43 SQUARE MILES	00922	**1998**	**2010**	VAP-A33E-07 & 2004 fact sheet VAP-A33E-08 (00924) VDH-DSS Shellfish Condemnation Number 28C, 7/11/2002 During the 2006 cycle, the Hampton Hall Branch condemnation expanded and merged the impairments on Hampton Hall Branch and Kinsale Branch, now called impairments 00922/VAP-A33E-07

Sources: Source Unknown

TMDL Watershed Name: **Happy Creek**

TMDL Group ID: **01624**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAV-B41R_HPY01A00	**Happy Creek**	WARREN CO	Happy Creek from the Front Royal Public Water Intake downstream to its conlfuence with the South Fork Shenandoah River.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	5.67 MILES	01624	**2004**	**2016**	

Sources: Non-Point Source
Wildlife Other than Waterfowl

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAV-B41R_HPY02A00	**Happy Creek**	WARREN CO	Happy Creek from the headwaters downstream to the Front Royal Public Water Intake.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	2.80 MILES	01624	**2004**	**2016**	

Sources: Non-Point Source
Wildlife Other than Waterfowl

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Headly Cove**

TMDL Group ID: **85011**

VAP-A34E_HEA01A98	Headly Cove	NORTHUMBERLAND CO	Described in the VDH-DSS Condemnation Notice 145H, 2/25/1997. POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		85011	**1998**	**2010**	VAP-A34E-05 Headly Cove, Mill Creek and a portion of the Coan River were assessed as impaired of the Shellfish Use in 1998 because of VDH SFC 145H and 145I, 2/25/1997. During the 2004 cycle, the segments expanded and merged due to VDH-DSS Condemnation Notice 145H, 11/27/2002. However the 12/18/2003 Coan River Shellfish TMDL report only addressed the original impairments, which will be considered Cat. 4A. The TMDL for the 2004 area is due in 2016. In addition, the segment expanded downstream again in the 2006 cycle; the TMDL for that portion is due in 2018 and is addressed in fact sheet VAP-A34E-32 (10068).

Sources: Non-Point Source

TMDL Watershed Name: **Hogue Creek**

TMDL Group ID: **01595**

VAV-B06R_HOC01A00	Hogue Creek	FREDERICK CO	Hogue Creek from the headwaters downstream to its confluence with Back Creek.

VA Overall AU Category: **5A**

Use	Impairment	16.58 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		01595	**2002**	**2014**	

Sources: Non-Point Source
Wildlife Other than Waterfowl

TMDL Watershed Name: **Holmes Run**

TMDL Group ID: **00795**

VAN-A13R_HOR01A00	Holmes Run	ALEXANDRIA CITY FAIRFAX CO	Segment begins at the mouth of Lake Barcroft and continues downstream until the confluence with Backlick Run.

VA Overall AU Category: **5A**

Use	Impairment	3.59 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		00795	**2004**	**2016**	Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (2 of 8 samples - 25.0%) were recorded at DEQ's ambient water quality monitoring station (1AHOR001.04) at the Pickett Street bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Holmes Run**

TMDL Group ID: **00796**

VAN-A13R_HOR01B00	Holmes Run	FAIRFAX CO	Segment begins at the headwaters of Holmes Run and continues downstream until the start of Lake Barcroft.

VA Overall AU Category: **5A**

Use	Impairment	5.80 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		00796	**2004**	**2016**	DEQ benthic macroinvertebrate biological monitoring finds this segment to be moderately impaired.

Sources: Source Unknown

TMDL Watershed Name: **Hunting Creek**

TMDL Group ID: **00306**

VAN-A13E_HUT01A02	Hunting Creek/Potomac River/Belle Haven	ALEXANDRIA CITY FAIRFAX CO	Segment includes all tidal waters of Hunting Creek; beginning at the Route 241 (Telegraph Road) bridge crossing and continuing downstream until the confluence with the Potomac River, to include the embayment. Portion of CBP segment POTTF.

VA Overall AU Category: **5A**

Use	Impairment	1.36 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00306	**2006**	**2010**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (5 of 12 samples - 41.7%) were recorded at DEQ's ambient water quality monitoring station (1AHUT000.01) at the George Washington Parkway bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. The segment was previously listed for a fecal coliform bacteria impairment, beginning in 1998.

Sources: Source Unknown

TMDL Watershed Name: **Indian Run**

TMDL Group ID: **60135**

VAN-A14R_INA01A06	Indian Run	FAIRFAX CO	Segment begins at the headwaters of Indian Run and continues downstream until the confluence with Backlick Run.

VA Overall AU Category: **5A**

Use	Impairment	2.98 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		60135	**2006**	**2018**	The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 7/27/04, limits consumption of creek chub to no more than two meals per month. The affected area includes the entire portion of Indian Run, from the headwaters until the confluence with Backlick Run.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Jackson Creek**

TMDL Group ID: **00923**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-A33E_JCK01A98	**Jackson Creek**	WESTMORELAND CO	Described in the condemnation notice 144, 7/2/2002 POTMH Square mileage adjusted in 2006, although area did not change

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**	0.13	SQUARE MILES	00923	**1998**	**2010**	VAP-A33E-03 VDH-DSS condemnation 144, 7/2/2002 Square mileage adjusted in 2006 although area did not change.

Sources: Source Unknown

TMDL Watershed Name: **Jeremy's Run**

TMDL Group ID: **01623**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAV-B40R_JER01A00	**Jeremy's Run**	PAGE CO	Jeremy's Run from the headwaters downstream to its confluence with the South Fork Shenandoah River.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**	10.97	MILES	01623	**2004**	**2016**	

Sources: Atmospheric Deposition - Acidity

TMDL Watershed Name: **Johns Run**

TMDL Group ID: **50059**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAV-B31R_JHN01A00	**Johns Run**	AUGUSTA CO	Johns Run from the headwaters downstream to its confluence with South River.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**	4.89	MILES	50059	**2006**	**2018**	Newly listed for pH in 2006.

Sources: Atmospheric Deposition - Acidity

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Kennedy Creek**

TMDL Group ID: **50060**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAV-B31R_KND01A00	**Kennedy Creek**	AUGUSTA CO	Kennedy Creek and tributaries from the headwaters downstream to its confluence with Coles Run.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**	8.05 MILES	50060	**2006**	**2018**	Newly listed for pH in 2006.

Sources: Atmospheric Deposition - Acidity

TMDL Watershed Name: **Kettle Run**

TMDL Group ID: **00230**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAN-A19R_KET01A00	**Kettle Run**	PRINCE WILLIAM CO	Segment begins at the confluence with an unnamed tributary to Kettle Run, approximately 0.08 rivermile upstream from Route 708, and continues downstream until the confluence with Broad Run.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	7.59 MILES	00230	**2006**	**2010**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (4 of 14 samples - 28.6%) were recorded at DEQ's ambient water quality monitoring station (1AKET002.06) at the Route 611 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. The segment was previously listed for a fecal coliform bacteria impairment, beginning in 2002.

Sources: Source Unknown

TMDL Group ID: **60053**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAN-A19R_KET02A04	**Kettle Run**	FAUQUIER CO	Segment begins at the confluence with an unnamed tributary to Kettle Run, just upstream from Route 602, and continues downstream until the confluence with another unnamed tributary to Kettle Run, at approximately rivermile 10.5.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	3.46 MILES	60053	**2006**	**2018**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (4 of 12 samples - 33.3%) were recorded at DEQ's special study station (1AKET012.03) at the Route 761 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Killneck Creek**

TMDL Group ID: **00173**

VAP-A34E_KNC01A98 **Killneck Creek** NORTHUMBERLAND CO Described in the condemnation notice 8-214B, 12/29/2003.

POTMH

VA Overall AU Category: **5D**

Use	Impairment	0.05 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		00173	**1998**	**2004**	VAP-A34E-02 VDH-DSS Condemnation 8-214B, 12/29/2003 The shellfish condemnation for this segment was included in "Coan River Watershed Total Maximum Daily Load (TMDL) Report for Six Shellfish Areas,." which was approved by EPA on 12/02/2004. The segment should be classified as Category 4A for shellfish consumption.

Sources: Non-Point Source

TMDL Group ID: **10059**

VAP-A34E_KIN04A06 **Kingscote Creek** NORTHUMBERLAND CO Described in VDH-DSS condemnation 008-213A, 12/29/2003

POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.06 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		10059	**2006**	**2018**	VAP-A34E-21 VDH-DSS condemnation 008-213A, 12/29/2003

Sources: Source Unknown

VAP-A34E_KNC01B06 **Killneck Creek** NORTHUMBERLAND CO Described in VDH-DSS condemnation 8-214A, 12/29/2003

POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		10059	**2006**	**2018**	VAP-A34E-20 VDH Shellfish Condemnation 8-214A, 12/29/2003

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Laurel Run**

TMDL Group ID: **01639**

VAV-B49R_LAR01A00	Laurel Run	SHENANDOAH CO	Laurel Run from the headwaters downstream to its confluence with Stony Creek.

VA Overall AU Category: **5A**

Use	Impairment	5.13 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		01639	**2002**	**2014**	

Sources: Atmospheric Deposition - Acidity

TMDL Watershed Name: **Lewis Creek**

TMDL Group ID: **00007**

VAV-B12R_LEW01A00	Lewis Creek	AUGUSTA CO STAUNTON CITY	Lewis Creek south of the Staunton City boundary near the power line crossing downstream to its confluence with Middle River.

VA Overall AU Category: **5D**

Use	Impairment	9.73 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00007	**2004**	**2004**	Category 4A - Federal TMDL ID # 7677

Sources: Municipal (Urbanized High Density Area)
Non-Point Source
Wildlife Other than Waterfowl

TMDL Group ID: **00239**

VAV-B12R_LEW01A00	Lewis Creek	AUGUSTA CO STAUNTON CITY	Lewis Creek south of the Staunton City boundary near the power line crossing downstream to its confluence with Middle River.

VA Overall AU Category: **5D**

Use	Impairment	9.73 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		00239	**1996**	**2004**	Category 4A - Federal TMDL ID # 7676

Sources: Non-Point Source

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Lewis Creek**

TMDL Group ID: **00617**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAV-B12R_LEW01A00	**Lewis Creek**	AUGUSTA CO STAUNTON CITY	Lewis Creek south of the Staunton City boundary near the power line crossing downstream to its confluence with Middle River.

VA Overall AU Category: **5D**

Use	Impairment	9.73 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		00617	**2004**	**2016**	

Sources: Inappropriate Waste Disposal
Municipal (Urbanized High Density Area)

TMDL Watershed Name: **Lewis Run, Lower**

TMDL Group ID: **50062**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAV-B33R_LLW01A00	**Lower Lewis Run**	ROCKINGHAM CO	Lower Lewis Run from the headwaters downstream to its confluence with the South Fork Shenandoah River.

VA Overall AU Category: **5A**

Use	Impairment	3.67 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		50062	**2006**	**2018**	Newly listed for pH in 2006.

Sources: Atmospheric Deposition - Acidity

TMDL Watershed Name: **Licking Run**

TMDL Group ID: **60049**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAN-A17R_LIL02A04	**Licking Run**	FAUQUIER CO	Segment begins at the boundary of the PWS designation area, at rivermile 11.32, and continues downstream until the start of Germantown Lake.

VA Overall AU Category: **5A**

Use	Impairment	3.49 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		60049	**2006**	**2018**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (4 of 14 samples - 28.6%) were recorded at DEQ's ambient water quality monitoring station (1ALIL008.23) at the Route 663 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Licking Run**

TMDL Group ID: **60049**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAN-A17R_LIL02B06	**Licking Run**	FAUQUIER CO	Segment begins at the headwaters of Licking Run and continues downstream until the boundary of the PWS designation area, at rivermile 11.32.

VA Overall AU Category: **5A**

Use	Impairment	3.28 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		60049	**2006**	**2018**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (4 of 14 samples - 28.6%) were recorded at DEQ's ambient water quality monitoring station (1ALIL008.23) at the Route 663 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sources: Source Unknown

TMDL Watershed Name: **Limestone Branch, Unnamed Tributary**

TMDL Group ID: **60002**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAN-A03R_XAQ01A04	**Unnamed Tributary to Limestone Branch**	LOUDOUN CO	Segment begins at the boundary of the PWS area designation, just upstream of the Route 661 bridge, and continues downstream until the confluence with Limestone Branch.

VA Overall AU Category: **5A**

Use	Impairment	0.87 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		60002	**2006**	**2018**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (8 of 12 samples - 66.7%) were recorded at DEQ's ambient water quality monitoring station (1AXAQ000.85) at the Route 661 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAN-A03R_XAQ01B06	**Unnamed Tributary to Limestone Branch**	LOUDOUN CO	Segment begins at the confluence with an unnamed tributary and continues downstream until the boundary of the PWS area designation, just upstream of the Route 661 bridge.

VA Overall AU Category: **5A**

Use	Impairment	1.03 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		60002	**2006**	**2018**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (8 of 12 samples - 66.7%) were recorded at DEQ's ambient water quality monitoring station (1AXAQ000.85) at the Route 661 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Line Run**

TMDL Group ID: **50235**

VAV-B37R_LIN01A06	Line Run	PAGE CO	Line Run from the headwaters downstream to its confluence with Honey Run.

VA Overall AU Category: **5A**

Use	Impairment	3.92 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		50235	**2006**	**2018**	Newly listed for bacteria in 2006.

Sources: Non-Point Source
Wildlife Other than Waterfowl

TMDL Watershed Name: **Little Creek**

TMDL Group ID: **60071**

VAN-A26R_LIE01A02	Little Creek	PRINCE WILLIAM CO	Segment begins at the headwaters of Little Creek and continues downstream until the confluence with the Potomac River.

VA Overall AU Category: **5A**

Use	Impairment	3.78 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		60071	**2006**	**2018**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (7 of 11 samples - 63.6%) were recorded at DEQ's ambient water quality monitoring station (1ALIE000.52) at the Geiger Road bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sources: Source Unknown

TMDL Watershed Name: **Little Dry River**

TMDL Group ID: **01628**

VAV-B43R_LTD01A00	Little Dry River	ROCKINGHAM CO	Little Dry River and tributaries from the headwaters downstream to its confluence with the North Fork Shenandoah River.

VA Overall AU Category: **5A**

Use	Impairment	34.74 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		01628	**2004**	**2016**	

Sources: Non-Point Source
Wildlife Other than Waterfowl

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Little Dry River**

TMDL Group ID: **01629**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAV-B43R_LTD01A00	**Little Dry River**	ROCKINGHAM CO	Little Dry River and tributaries from the headwaters downstream to its confluence with the North Fork Shenandoah River.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**	34.74 MILES	01629	**2004**	**2016**	

Sources: Atmospheric Deposition - Acidity

TMDL Watershed Name: **Little Hunting Creek**

TMDL Group ID: **00798**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAN-A14E_LIF01A00	**Little Hunting Creek**	FAIRFAX CO	Segment includes all tidal waters of Little Hunting Creek, extending from approximately rivermile 1.7 downstream until the confluence with the Potomac River. Portion of CBP segment POTTF.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	0.25 SQUARE MILES	00798	**2006**	**2016**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (2 of 12 samples - 16.7%) were recorded at DEQ's ambient water quality monitoring station (1ALIF000.19) at the George Washington Parkway bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. The segment was previously listed for a fecal coliform bacteria impairment, beginning in 2004.

Sources: Source Unknown

TMDL Watershed Name: **Little River**

TMDL Group ID: **60012**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAN-A08R_LIV02A06	**Little River**	FAUQUIER CO LOUDOUN CO	Segment begins the confluence with Bartons Creek and continues downstream until the confluence with Hungry Run, approximately 1.5 rivermiles upstream from Route 50 near Aldie.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	6.72 MILES	60012	**2006**	**2018**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (5 of 6 samples - 83.3%) were recorded at DEQ's ambient water quality monitoring station (1ALIV006.92) at the Route 629 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Little Stony Creek**

TMDL Group ID: **01640**

VAV-B49R_LSC01A00	Little Stony Creek	SHENANDOAH CO	Little Stony Creek from the headwaters downstream to its confluence with Stony Creek.

VA Overall AU Category: **5A**

Use	Impairment	6.53 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		01640	**2004**	**2016**	

Sources: Atmospheric Deposition - Acidity

TMDL Watershed Name: **Little Wicomico River**

TMDL Group ID: **00158**

VAP-A34E_LIS01A98	Little Wicomico River	NORTHUMBERLAND CO	Described in the VDH-DSS Condemnation Notice 105B, 6/10/1997 CB5MH

VA Overall AU Category: **5D**

Use	Impairment	0.20 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		00158	**1998**	**2003**	Category 4A VAP-A34E-16 A segment of the Little Wicomico River was assessed as impaired in 1998 based on VDH SFC105B 6/10/1997. During the 2004 cycle, the segment expanded b/c of VDH-DSS Condemnation Notice 105A, 6/21/2002. However, the 2003 TMDL only covered the original 1998 impairment, which will be classified as Cat. 4A.

Sources: Non-Point Source

TMDL Group ID: **10026**

VAP-A34R_LIS01A06	Little Wicomico River	NORTHUMBERLAND CO	Headwaters to tidal limit

VA Overall AU Category: **5C**

Use	Impairment	2.36 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		10026	**2006**	**2018**	VAP-A34R-02 The nontidal portion of Little Wicomico River is considered not supporting the Aquatic Life Use due to a pH violation rate of 2/11 at 1ALIS007.20. Natural conditions are suspected.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Little Wicomico River**

TMDL Group ID: **10066**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-A34E_LIS01A06	**Little Wicomico River**	NORTHUMBERLAND CO	Described in VDH-DSS condemnation 010-105B, 9/15/2004 not otherwise segmented CB5MH

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**	0.15	SQUARE MILES	10066	**2006**	**2018**	VAP-A34E-30 VDH Shellfish condemnation 010-105B, 9/15/2004 was expanded during the 2006 cycle. This AU only includes the 2006 expansion; the TMDL is due in 2018.

Sources: Source Unknown

TMDL Group ID: **10067**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-A34E_LIS01A02	**Little Wicomico River**	NORTHUMBERLAND CO	Described in the VDH-DSS Condemnation Notice 105A, 6/21/2002, not otherwise segmented Size increased by 0.01 sq. mi. in 2004 cycle. CB5MH

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Enterococcus**	0.27	SQUARE MILES	10067	**2006**	**2018**	VAP-A34E-31 The segment is considered impaired of the Recreation Use due to an enterococci violation rate of 2/4 at 1ALIS004.20

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-A34E_LIS01A98	**Little Wicomico River**	NORTHUMBERLAND CO	Described in the VDH-DSS Condemnation Notice 105B, 6/10/1997 CB5MH

VA Overall AU Category: **5D**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Enterococcus**	0.20	SQUARE MILES	10067	**2006**	**2018**	VAP-A34E-31 The segment is considered impaired of the Recreation Use due to an enterococci violation rate of 2/4 at 1ALIS004.20

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Little Wicomico River**

TMDL Group ID: **85001**

VAP-A34E_LIS01A02	**Little Wicomico River**	NORTHUMBERLAND CO	Described in the VDH-DSS Condemnation Notice 105A, 6/21/2002, not otherwise segmented Size increased by 0.01 sq. mi. in 2004 cycle. CB5MH

VA Overall AU Category: **5A**

Use	Impairment	0.27 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		85001	**2004**	**2016**	VAP-A34E-16 A segment of the Little Wicomico River was assessed as impaired in 1998 based on VDH SFC105B 6/10/1997. During the 2004 cycle, the segment expanded b/c of VDH-DSS Condemnation Notice 105A, 6/21/2002. However, the 2003 TMDL only covered the original 1998 impairment.. The TMDL for the expansion is due in 2016.

Sources: Non-Point Source

TMDL Watershed Name: **Little Wicomico River: Slough Creek**

TMDL Group ID: **10064**

VAP-A34E_LIS05A98	**Little Wicomico River: Slough Creek**	NORTHUMBERLAND CO	Described in the condemnation notice 010-105E, 9/15/2004. Expanded in 2006 cycle. CB5MH

VA Overall AU Category: **5A**

Use	Impairment	0.04 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		10064	**2006**	**2018**	VAP-A34E-28 VDH-DSS Condemnation Notice 010-105E, 9/15/2004

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Lodge Creek**

TMDL Group ID: **00925**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-A33E_LOG02A98	**Lodge Creek**	NORTHUMBERLAND CO	Described in the condemnation notice 007-028F, 7/21/2004. Expanded in 2004 and incorporated previous 2002 LOG03A00 segment. Sq. mileage adjusted in 2006, although area has not changed. POMTH

VA Overall AU Category: **5A**

Use	Impairment	0.25 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		00925	**1998**	**2010**	VAP-A33E-10 VDH-DSS Shellfish Condemnation 007-028F, 7/21/2004 The segment was enlarged in 2004 and combined two previous Lodge Creek segments into one condemnation. During the 2006 cycle, the square mileage was adjusted although the area did not change.

Sources: Source Unknown

TMDL Group ID: **10053**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-A33E_LOG01A98	**Lodge Creek**	NORTHUMBERLAND CO	Described in the condemnation notice 007-028H, 7/14/2004. POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Enterococcus**		10053	**2006**	**2018**	VAP-A33E-04 Lodge Creek from its tidal limit downstream to the end of VDH-DSS condemnation 007-028F, 7/21/2004 was assessed as not supporting the Recreation Use due to an enterococci violation rate of 3/9 at 1ALOG001.20.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Lodge Creek**

TMDL Group ID: **10053**

VAP-A33E_LOG02A98 **Lodge Creek** NORTHUMBERLAND CO

Described in the condemnation notice 007-028F, 7/21/2004.

Expanded in 2004 and incorporated previous 2002 LOG03A00 segment. Sq. mileage adjusted in 2006, although area has not changed.

POMTH

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Enterococcus**	0.25 SQUARE MILES	10053	**2006**	**2018**	VAP-A33E-04 Lodge Creek from its tidal limit downstream to the end of VDH-DSS condemnation 007-028F, 7/21/2004 was assessed as not supporting the Recreation Use due to an enterococci violation rate of 3/9 at 1ALOG001.20. The fecal coliform violation rate was 0/20, therefore additional monitoring is recommended to confirm the impairment.

Sources: Source Unknown

TMDL Watershed Name: **Long Branch**

TMDL Group ID: **01647**

VAV-B57R_LNG01A04 **Long Branch** CLARKE CO

Long Branch from the headwaters downstream to its confluence with the Shenandoah River.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	3.62 MILES	01647	**2004**	**2016**	

Sources: Non-Point Source
Wildlife Other than Waterfowl

TMDL Watershed Name: **Long Meadow Run**

TMDL Group ID: **01630**

VAV-B45R_LOM01A00 **Long Meadow Run** ROCKINGHAM CO

Long Meadow Run from the headwaters downstream to its confluence with the North Fork Shenandoah River.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**	8.56 MILES	01630	**2002**	**2014**	

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Long Meadow Run**

TMDL Group ID: **50045**

VAV-B14R_LMR01A00	Long Meadow Run	AUGUSTA CO	Long Meadow Run and tributary from the headwaters downstream to its confluence with Christians Creek.

VA Overall AU Category: **5D**

Use	Impairment	10.08 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Temperature, water**		50045	**2006**	**2018**	Newly listed for temperature in 2006. Category 5C

Sources: Source Unknown

TMDL Group ID: **50232**

VAV-B14R_LMR01A00	Long Meadow Run	AUGUSTA CO	Long Meadow Run and tributary from the headwaters downstream to its confluence with Christians Creek.

VA Overall AU Category: **5D**

Use	Impairment	10.08 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		50232	**2006**	**2004**	According to Section 7.2, Rule 3 of the 2006 Virginia Water Quality Assessment Guidance, this water is categorized as 4A based on its inclusion within the geographical area covered by the Christians Creek TMDL for bacteria. Newly impaired for bacteria in 2006. Category 4A - Federal TMDL ID # 17969

Sources: Non-Point Source

TMDL Watershed Name: **Loves Run**

TMDL Group ID: **50057**

VAV-B30R_LOV01A00	Loves Run	AUGUSTA CO	Loves Run from the headwaters downstream to its confluence with South River.

VA Overall AU Category: **5A**

Use	Impairment	5.06 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		50057	**2006**	**2018**	Newly listed for pH in 2006.

Sources: Atmospheric Deposition - Acidity

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Machodoc Creek, Lower**

TMDL Group ID: **00914**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-A32E_LOW01A04	**Lower Machodoc Creek**	WESTMORELAND CO	As described in VDH condemnation notice 083A, 12/18/2002. Listed in 1998. Mileage adjusted in 2006 POTMH

VA Overall AU Category: **5A**

Use	Impairment	Impairment	0.51 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**			00914	**1998**	**2010**	VAP-A32E-08 VDH Shellfish Condemnation 083A, 12/18/2002

Sources: Source Unknown

TMDL Watershed Name: **Machodoc Creek, Upper**

TMDL Group ID: **00822**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAN-A30E_UMC01B06	**Upper Machodoc Creek**	KING GEORGE CO	The Upper Machodoc Creek portion of the condemned area described in VDH Notice and Description of Shellfish Area Condemnation Number 001A-36, Upper Machodoc Creek, Section A, effective July 15, 2004. Portion of CBP segment POTMH.

VA Overall AU Category: **5A**

Use	Impairment	Impairment	0.07 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**			00822	**1998**	**2010**	The shellfishing use is categorized as impaired due to a Virginia Department of Health, Division of Shellfish Sanitation, Notice and Description of Shellfish Area Condemnation Number 001A-036, Upper Machodoc Creek. The advisory, dated 7/15/04, states, "It shall be unlawful for any person, firm, or corporation to take shellfish from these areas for any purpose, except by permit granted by the Marine Resources Commission, as provided in Section 28.2-810 of the Code of Virginia."

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAN-A30E_UMC02A04	**Upper Machodoc Creek**	PRINCE GEORGE CO	The boundaries of the condemned area are described in VDH Notice and Description of Shellfish Area Condemnation Number 001A-36, Upper Machodoc Creek, Section B, effective July 15, 2004. Portion of CBP segment POTMH.

VA Overall AU Category: **5A**

Use	Impairment	Impairment	0.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**			00822	**2004**	**2010**	The shellfishing use is categorized as impaired due to a Virginia Department of Health, Division of Shellfish Sanitation, Notice and Description of Shellfish Area Condemnation Number 001A-036, Upper Machodoc Creek. The advisory, dated 7/15/04, states, "It shall be unlawful for any person, firm, or corporation to take shellfish from these areas for any purpose, except by permit granted by the Marine Resources Commission, as provided in Section 28.2-810 of the Code of Virginia."

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Machodoc Creek, Upper**

TMDL Group ID: **00822**

VAN-A30E_UMC05A02	Upper Machodoc Creek	KING GEORGE CO	The boundaries of the condemned area are described in VDH Notice and Description of Shellfish Area Condemnation Number 001A-36, Upper Machodoc Creek, Section D, effective July 15, 2004. Portion of CBP segment POTMH.

VA Overall AU Category: **5A**

Use	Impairment	0.43 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		00822	**1998**	**2010**	The shellfishing use is categorized as impaired due to a Virginia Department of Health, Division of Shellfish Sanitation, Notice and Description of Shellfish Area Condemnation Number 001A-036, Upper Machodoc Creek. The advisory, dated 7/15/04, states, "It shall be unlawful for any person, firm, or corporation to take shellfish from these areas for any purpose, except by permit granted by the Marine Resources Commission, as provided in Section 28.2-810 of the Code of Virginia."

Sources: Source Unknown

TMDL Group ID: **00823**

VAN-A30E_UMC05A02	Upper Machodoc Creek	KING GEORGE CO	The boundaries of the condemned area are described in VDH Notice and Description of Shellfish Area Condemnation Number 001A-36, Upper Machodoc Creek, Section D, effective July 15, 2004. Portion of CBP segment POTMH.

VA Overall AU Category: **5A**

Use	Impairment	0.43 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		00823	**2002**	**2014**	Two of 17 samples (11.8%) were below the lower range (6.0 - 9.0 SU) of the pH water quality criteria for Class II waters as established in 9 VAC 25-260-50 of the Virginia Water Quality Standards. As a result, the aquatic life use was assessed as not supporting the Clean Water Act (CWA) use goal.

Sources: Source Unknown

TMDL Group ID: **00828**

VAN-A30R_UMC01A00	Upper Machodoc Creek	KING GEORGE CO	Segment begins at the confluence with Pepper Mill Creek, approximately 0.75 rivermile upstream from Route 301, and continues downstream until the end of the free-flowing waters of Upper Machodoc Creek.

VA Overall AU Category: **5A**

Use	Impairment	2.19 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		00828	**2004**	**2016**	Although the data obtained during the 2006 assessment window shows exceedances of the instantaneous pH criterion (1 of 5 samples - 20.0%) is categorized as insufficient information, no data has been collected from the DEQ's ambient water quality monitoring station (1AUMC009.61) at Route 301 since the previous assessment window. The segment shall remain categorized as impaired. For the 2004 assessment, two of 12 samples (16.7%) were below the lower range (6.0 - 9.0 SU) of the pH water quality criteria for Class III waters as established in 9 VAC 25-260-50 of the Virginia Water Quality Standards.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Machodoc Creek, Upper**

TMDL Group ID: **00829**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAN-A30R_UMC01A00	**Upper Machodoc Creek**	KING GEORGE CO	Segment begins at the confluence with Pepper Mill Creek, approximately 0.75 rivermile upstream from Route 301, and continues downstream until the end of the free-flowing waters of Upper Machodoc Creek.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	2.19 MILES	00829	**2004**	**2016**	Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (2 of 7 samples - 28.6%) were recorded at DEQ's ambient water quality monitoring station (1AUMC009.61) at the Route 301 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sources: Source Unknown

TMDL Group ID: **60070**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAN-A30E_UMC05A02	**Upper Machodoc Creek**	KING GEORGE CO	The boundaries of the condemned area are described in VDH Notice and Description of Shellfish Area Condemnation Number 001A-36, Upper Machodoc Creek, Section D, effective July 15, 2004. Portion of CBP segment POTMH.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Enterococcus**	0.43 SQUARE MILES	60070	**2006**	**2018**	Sufficient exceedances of the instantaneous enterococcus bacteria criterion (3 of 10 samples - 30.0%) were recorded at DEQ's ambient water quality monitoring station (1AUMC004.43) at the Route 218 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sources: Source Unknown

TMDL Watershed Name: **Manassas Run**

TMDL Group ID: **01625**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAV-B55R_MAN01A00	**Manassas Run**	WARREN CO	Manassas Run from the Route 647 bridge crossing downstream to its confluence with the Shenandoah River.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	4.97 MILES	01625	**2004**	**2016**	

Sources: Non-Point Source
Wildlife Other than Waterfowl

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Manassas Run**

TMDL Group ID: **01625**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAV-B55R_MAN02A04	**Manassas Run**	WARREN CO	Manassas Run and tributaries from the headwaters downstream to the Route 647 bridge crossing.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	4.20 MILES	01625	**2004**	**2016**	

Sources: Non-Point Source
Wildlife Other than Waterfowl

TMDL Watershed Name: **Mattox Creek**

TMDL Group ID: **00238**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-A31E_MAO01A98	**Mattox Creek**	WESTMORELAND CO	Described in the condemnation notice 002-001B, 11/15/2004. Segment expanded in 2006 cycle. POTMH

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Enterococcus**	0.63 SQUARE MILES	00238	**2006**	**2010**	VAP-A31E-06 The segment was initially listed in 1996 based on excessive fecal coliform standards at the Route 205 bridge (1AMAO004.08). The segment was adjusted during the 2006 cycle to be coincident with VDH-DSS Shellfish Condemnation 001B, 11/15/2004. During the 2006 cycle, the Recreation Use impairment switched to Enterococci with a violation rate of 5/12 at 1AMAO004.08.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Mattox Creek**

TMDL Group ID: **00238**

VAP-A31E_MAO03A04	Mattox Creek	WESTMORELAND CO	As described in VDH Condemnation 002-001E, 11/15/04 Prohibited zone POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Enterococcus**		00238	**2006**	**2010**	VAP-A31E-06 The segment was initially listed in 1996 based on excessive fecal coliform standards at the Route 205 bridge (1AMAO004.08). The segment was adjusted during the 2006 cycle to be coincident with VDH-DSS Shellfish Condemnation 001B, 11/15/2004. During the 2006 cycle, the Recreation Use impairment switched to Enterococci with a violation rate of 5/12 at 1AMAO004.08.

Sources: Source Unknown

TMDL Group ID: **00646**

VAP-A31R_MAO01A98	Mattox Creek	KING GEORGE CO WESTMORELAND CO	Mainstem and tributaries above the limit of tide.

VA Overall AU Category: **5A**

Use	Impairment	32.10 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		00646	**2002**	**2014**	VAP-A31R-02 The segment was assessed during the 1998 cycle as threatened of the Aquatic Life use support goal based on pH violations at the Route 627 bridge (1AMAO007.46). During the year 2002 cycle, the segment was downgraded based on the results of a special study and the segment length was revised to end at the tidal limit. The pH TMDL is due in 2014. During the 2006 cycle, additional monitoring in the watershed confirmed the pH impairment and also indicated a DO impairment. See below. The DO TMDL is due in 2018. 1AMAO007.46 - pH 14/18 1AMAO010.27 - DO 5/18, pH 16/18 1AKIG000.62 - DO 2/18, pH 14/18 1ACOW000.38 - pH 15/18 1AXFF001.61 - pH 7/18

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Mattox Creek**

TMDL Group ID: **00678**

VAP-A31E_MAO01A98	Mattox Creek	WESTMORELAND CO	Described in the condemnation notice 002-001B, 11/15/2004. Segment expanded in 2006 cycle. POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.63 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		00678	**1996**	**2010**	VAP-A31E-06 The segment was initially listed in 1996 based on excessive fecal coliform standards at the Route 205 bridge (1AMAO004.08). The segment was adjusted during the 2006 cycle to be coincident with VDH-DSS Shellfish Condemnation 001B, 11/15/2004.

Sources: Source Unknown

TMDL Group ID: **00907**

VAP-A31R_MAO01A98	Mattox Creek	KING GEORGE CO WESTMORELAND CO	Mainstem and tributaries above the limit of tide.

VA Overall AU Category: **5A**

Use	Impairment	32.10 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		00907	**2002**	**2014**	VAP-A31R-02 The segment was assessed during the year 2002 cycle as not supporting of the Recreation use goal based on fecal coliform violations at 1AMAO007.46. The fecal coliform TMDL is due in 2014. The FC violation rate for the 2006 cycle is 4/19 and the segment remains impaired for FC. However, the new E. coli violation rate was acceptable (0/11), therefore additional monitoring for E. coli is recommended.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Mattox Creek**

TMDL Group ID: **10021**

VAP-A31R_MAO01A98	Mattox Creek	KING GEORGE CO WESTMORELAND CO	Mainstem and tributaries above the limit of tide.

VA Overall AU Category: **5A**

Use	Impairment	32.10 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		10021	**2006**	**2018**	VAP-A31R-02

The segment was assessed during the 1998 cycle as threatened of the Aquatic Life use support goal based on pH violations at the Route 627 bridge (1AMAO007.46). During the year 2002 cycle, the segment was downgraded based on the results of a special study and the segment length was revised to end at the tidal limit. The pH TMDL is due in 2014. During the 2006 cycle, additional monitoring in the watershed confirmed the pH impairment and also indicated a DO impairment. See below. The DO TMDL is due in 2018.

1AMAO007.46 - pH 14/18
1AMAO010.27 - DO 5/18, pH 16/18
1AKIG000.62 - DO 2/18, pH 14/18
1ACOW000.38 - pH 15/18
1AXFF001.61 - pH 7/18

The segment was also assessed during the year 2002 cycle as not supporting of the Recreation use goal based on fecal coliform violation sat 1AMAO007.46. The fecal coliform TMDL is due in 2014. The FC violation rate for the 2006 cycle is 4/19 and the segment remains impaired for FC. However, the new E. coli violation rate was acceptable (0/11), therefore additional monitoring for E. coli is recommended.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

TMDL Watershed Name: **Meadow Run**

TMDL Group ID: **01615**

VAV-B32R_MDW01A00	Meadow Run	AUGUSTA CO	Meadow Run from the headwaters downstream to the end of surface flow.

VA Overall AU Category: **5A**

Use	Impairment	6.87 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		01615	**2004**	**2016**	

Sources: Atmospheric Deposition - Acidity

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Mill Creek**

TMDL Group ID: **00251**

VAV-B48R_MIL01A00 **Mill Creek** SHENANDOAH CO Mill Creek from its confluence with Crooked Run downstream to its confluence with the North Fork Shenandoah River.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**	2.81 MILES	00251	**1998**	**2010**	

Sources: Source Unknown

VAV-B48R_MIL02A04 **Mill Creek** SHENANDOAH CO Mill Creek from its confluence with Straight Run downstream to its confluence with Crooked Run.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**	4.79 MILES	00251	**1998**	**2010**	

Sources: Source Unknown

VAV-B48R_MIL03A04 **Mill Creek** ROCKINGHAM CO SHENANDOAH CO Mill Creek from the headwaters downstream to its confluence with Straight Run.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**	7.39 MILES	00251	**1998**	**2010**	

Sources: Source Unknown

TMDL Group ID: **00926**

VAP-A33E_MIA01A98 **Mill Creek** NORTHUMBERLAND CO Described in the condemnation notice 07/21/2004.

Segment expanded in 2006

POTMH

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**	0.15 SQUARE MILES	00926	**1998**	**2010**	VAP-A33E-09 VDH-DSS Condemnation 007-028E, 07/21/2004 Segment expanded in 2006

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Mill Creek**

TMDL Group ID: **00928**

VAP-A33R_MIA01A00	Mill Creek	NORTHUMBERLAND CO	From its headwaters to Courtney Millpond.

VA Overall AU Category: **5A**

Use	Impairment	3.95 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		00928	**2002**	**2014**	VAP-A33R-01

During the 2004 cycle, Mill Creek was assessed not supporting of the Aquatic Life use support goal based on a pH standard violation rate of 3/20 at Route 202 (1AMIA004.12).

There has been no additional monitoring since 2001.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

TMDL Group ID: **00929**

VAP-A33R_MIA01A00	Mill Creek	NORTHUMBERLAND CO	From its headwaters to Courtney Millpond.

VA Overall AU Category: **5A**

Use	Impairment	3.95 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		00929	**2002**	**2014**	VAP-A33R-01

During the 2004 cycle, Mill Creek was assessed not supporting of the Recreation use goal based on a fecal coliform violation rate of 6/20 at Route 202 (1AMIA004.12).

There has been no additional monitoring since 2001.

Sources: Source Unknown

TMDL Group ID: **01636**

VAV-B48R_MIL01A00	Mill Creek	SHENANDOAH CO	Mill Creek from its confluence with Crooked Run downstream to its confluence with the North Fork Shenandoah River.

VA Overall AU Category: **5A**

Use	Impairment	2.81 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		01636	**2002**	**2014**	

Sources: Non-Point Source
Wildlife Other than Waterfowl

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Mill Creek**

TMDL Group ID: **01636**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAV-B48R_MIL02A04	**Mill Creek**	SHENANDOAH CO	Mill Creek from its confluence with Straight Run downstream to its confluence with Crooked Run.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	4.79	MILES	01636	**2002**	**2014**	

Sources: Wildlife Other than Waterfowl

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAV-B48R_MIL03A04	**Mill Creek**	ROCKINGHAM CO SHENANDOAH CO	Mill Creek from the headwaters downstream to its confluence with Straight Run.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	7.39	MILES	01636	**2002**	**2014**	

Sources: Non-Point Source
Wildlife Other than Waterfowl

TMDL Group ID: **85012**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-A34E_MII01A06	**Mill Creek**	NORTHUMBERLAND CO	Tidal limit to mouth at Coan River POTMH

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**	0.10	SQUARE MILES	85012	**1998**	**2010**	VAP-A34E-05 Headly Cove, Mill Creek and a portion of the Coan River were assessed as impaired of the Shellfish Use in 1998 because of VDH SFC 145H and 145I, 2/25/1997. During the 2004 cycle, the segments expanded and merged due to VDH-DSS Condemnation Notice 145H, 11/27/2002. However the 12/18/2003 Coan River Shellfish TMDL report only addressed the original impairments, which will be considered Cat. 4A. The TMDL for the 2004 area is due in 2016. In addition, the segment expanded downstream again in the 2006 cycle; the TMDL for that portion is due in 2018 and is addressed in fact sheet VAP-A34E-32 (10068).

Sources: Non-Point Source

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Mills Branch**

TMDL Group ID: **00802**

VAN-A25R_WLB01A02 **Mills Branch** FAIRFAX CO

Segment begins at the headwaters of Mills Branch and continues downstream until the confluence with the Occoquan River. Mills Branch, a channeled flow under the Lorton landfill, is an unnamed tributary on the Occoquan/Ft. Belvoir quads.

VA Overall AU Category: **5A**

Use	Impairment	1.81 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		00802	**2002**	**2014**	Although the data obtained during the 2006 assessment window shows exceedances of the instantaneous fecal coliform bacteria criterion (1 of 8 samples - 14.3%) is categorized as having insufficient information, very little data has been collected from the DEQ's ambient water quality monitoring station (1AWLB000.06) since the previous assessment window. The segment shall remain categorized as impaired.

Sources: Source Unknown

TMDL Group ID: **01613**

VAV-B31R_MLS01A02 **Mills Creek** AUGUSTA CO

Mills Creek from the headwaters downstream to its confluence with Back Creek.

VA Overall AU Category: **5A**

Use	Impairment	8.50 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		01613	**2002**	**2014**	

Sources: Atmospheric Deposition - Acidity

TMDL Watershed Name: **Milltown Creek**

TMDL Group ID: **60000**

VAN-A02R_MIH01A06 **Milltown Creek** LOUDOUN CO

Segment begins at the confluence with an unnamed tributary to Milltown Creek, approximately 0.34 rivermile upstream from Route 681 near Milltown, and continues downstream until the confluence with Catoctin Creek.

VA Overall AU Category: **5A**

Use	Impairment	3.85 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		60000	**2006**	**2018**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (3 of 6 samples - 50.0%) were recorded at DEQ's ambient water quality monitoring station (1AMIH001.98) at the Route 673 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Mine Run**

TMDL Group ID: **60018**

VAN-A11R_MNR01A04	Mine Run	FAIRFAX CO	Segment begins at the confluence with an unnamed tributary to Mine Run, approximately 0.5 rivermile upstream from River Bend Road, and continues downstream until the confluence with the Potomac River.

VA Overall AU Category: **5A**

Use	Impairment	0.93 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		60018	**2006**	**2018**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (2 of 8 samples - 25.0%) were recorded at DEQ's ambient water quality monitoring station (1AMNR000.72) at the Route 603 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sources: Source Unknown

TMDL Watershed Name: **Monroe Creek**

TMDL Group ID: **00584**

VAP-A31E_MON01A00	Monroe Creek	WESTMORELAND CO	Prohibited area around STP outfall as described in VDH shellfish condemnation 002-001D 11/15/2004 POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.17 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		00584	**2004**	**2016**	VAP-A31E-10 Monroe Creek was assessed not supporting of the Fish Consumption Use in the 2004 cycle based on exceedances of the tissue screening level for PCBs in white perch and gizzard shad at 1AMON002.49. VDH issued a Fish Consumption Advisory for Monroe Creek during the 2006 cycle (12/13/04) due to PCB contamination in gizzard shad, white perch, and channel catfish.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Monroe Creek**

TMDL Group ID: **00584**

VAP-A31E_MON02A98 **Monroe Creek** WESTMORELAND CO

Described in VDH condemnation notice 002-001A, 11/15/2004

Expanded in 2006 cycle.

POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.48 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		00584	**2004**	**2016**	VAP-A31E-10

Monroe Creek was assessed not supporting of the Fish Consumption Use in the 2004 cycle based on exceedances of the tissue screening level for PCBs in white perch and gizzard shad at 1AMON002.49.

VDH issued a Fish Consumption Advisory for Monroe Creek during the 2006 cycle (12/13/04) due to PCB contamination in gizzard shad, white perch, and channel catfish.

Sources: Source Unknown

VAP-A31E_MON03A98 **Monroe Bay** WESTMORELAND CO

Described in VDH condemnation notice 002-001 M1, 11/15/2004

Size reduced in 2006 cycle

POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.28 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		00584	**2004**	**2016**	VAP-A31E-10

Monroe Creek was assessed not supporting of the Fish Consumption Use in the 2004 cycle based on exceedances of the tissue screening level for PCBs in white perch and gizzard shad at 1AMON002.49.

VDH issued a Fish Consumption Advisory for Monroe Creek during the 2006 cycle (12/13/04) due to PCB contamination in gizzard shad, white perch, and channel catfish.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Monroe Creek**

TMDL Group ID: **00584**

VAP-A31E_MON04A00 | **Monroe Bay** | WESTMORELAND CO | Downstream of VDS-DSS condemnation area 001M1, 11/15/04

POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.52 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		00584	**2004**	**2016**	VAP-A31E-10 Monroe Creek was assessed not supporting of the Fish Consumption Use in the 2004 cycle based on exceedances of the tissue screening level for PCBs in white perch and gizzard shad at 1AMON002.49. VDH issued a Fish Consumption Advisory for Monroe Creek during the 2006 cycle (12/13/04) due to PCB contamination in gizzard shad, white perch, and channel catfish.

Sources: Source Unknown

VAP-A31E_MON05A04 | **Monroe Creek** | WESTMORELAND CO | Described in VDH Condemnation 001C, 11/15/2004

POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.00 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		00584	**2004**	**2016**	VAP-A31E-10 Monroe Creek was assessed not supporting of the Fish Consumption Use in the 2004 cycle based on exceedances of the tissue screening level for PCBs in white perch and gizzard shad at 1AMON002.49. VDH issued a Fish Consumption Advisory for Monroe Creek during the 2006 cycle (12/13/04) due to PCB contamination in gizzard shad, white perch, and channel catfish.

Sources: Source Unknown

TMDL Group ID: **00903**

VAP-A31E_MON02A98 | **Monroe Creek** | WESTMORELAND CO | Described in VDH condemnation notice 002-001A, 11/15/2004

Expanded in 2006 cycle.

POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.48 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		00903	**1998**	**2010**	VAP-A31E-04 VDH-DSS Condemnation 002-001A, 11/15/2004 Segment expanded in 2006.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Monroe Creek**

TMDL Group ID: **10022**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-A31R_MON01A98	**Monroe Creek**	WESTMORELAND CO	Monroe Creek watershed above the tidal limit.

VA Overall AU Category: **5C**

Use	Impairment	9.68 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		10022	**2006**	**2018**	VAP-A31R-04

During the 2006 cycle, Monroe Creek was assessed as not supporting the Aquatic Life Use based on a pH violation rate of 18/20 at 1AMRC003.12.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

TMDL Group ID: **10023**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-A31R_MON01A98	**Monroe Creek**	WESTMORELAND CO	Monroe Creek watershed above the tidal limit.

VA Overall AU Category: **5C**

Use	Impairment	9.68 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		10023	**2006**	**2018**	VAP-A31R-04

During the 2006 cycle, Monroe Creek was assessed as not supporting the Aquatic Life Use based on a DO violation rate of 13/20 at 1AMRC003.12.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

TMDL Watershed Name: **Mountain Run**

TMDL Group ID: **01635**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAV-B47R_MTN01A00	**Mountain Run**	ROCKINGHAM CO	Mountain Run and tributary from its confluence with Fridley Run downstream to its confluence with Smith Creek.

VA Overall AU Category: **5D**

Use	Impairment	5.37 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		01635	**2002**	**2014**	

Sources: Atmospheric Deposition - Acidity

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Mountain Run**

TMDL Group ID: **01635**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAV-B47R_MTN02A00	Mountain Run	ROCKINGHAM CO	Mountain Run from the headwaters downstream to its confluence with Fridley Run.

VA Overall AU Category: **5D**

Use	Impairment	0.61 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		01635	**2002**	**2014**	

Sources: Atmospheric Deposition - Acidity

TMDL Group ID: **50238**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAV-B47R_MTN01A00	Mountain Run	ROCKINGHAM CO	Mountain Run and tributary from its confluence with Fridley Run downstream to its confluence with Smith Creek.

VA Overall AU Category: **5D**

Use	Impairment	5.37 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		50238	**2006**	**2004**	Category 4A - Federal TMDL ID # 21281

Sources: Wildlife Other than Waterfowl

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAV-B47R_MTN02A00	Mountain Run	ROCKINGHAM CO	Mountain Run from the headwaters downstream to its confluence with Fridley Run.

VA Overall AU Category: **5D**

Use	Impairment	0.61 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		50238	**2006**	**2004**	Category 4A - Federal TMDL ID # 21281

Sources: Wildlife Other than Waterfowl

TMDL Watershed Name: **Naked Creek**

TMDL Group ID: **00404**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAV-B36R_NAK01A00	Naked Creek	PAGE CO ROCKINGHAM CO	Naked Creek including the East Branch from the headwaters downstream to its confluence with the South Fork Shenandoah River.

VA Overall AU Category: **5A**

Use	Impairment	12.42 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		00404	**1998**	**2010**	This stream fully supported the Aquatic Life Use during the 2002 assessment cycle but EPA would not approve De-listing. It was not visited during the 2004 assessment cycle.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Narrow Passage Creek**

TMDL Group ID: **01642**

VAV-B50R_NPC01A00	Narrow Passage Creek	SHENANDOAH CO	Narrow Passage Creek from the 5 mile upper limit of the PWS designation for the Woodstock Public Water Intake downstream to its confluence with the North Fork Shenandoah River.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	0.54 MILES	01642	**2002**	**2014**	

Sources: Non-Point Source
Wildlife Other than Waterfowl

VAV-B50R_NPC02A00	Narrow Passage Creek	SHENANDOAH CO	Narrow Passage Creek from the headwaters downstream to the 5 mile upper limit of the PWS designation for the Woodstock Public Water Intake.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	10.23 MILES	01642	**2002**	**2014**	

Sources: Non-Point Source
Wildlife Other than Waterfowl

TMDL Watershed Name: **Neabsco Bay**

TMDL Group ID: **00308**

VAN-A25E_NEA01A00	Neabsco Bay	PRINCE WILLIAM CO	Segment includes the tidal waters of Neabsco Bay downstream until the confluence with Occoquan Bay. Portion of CBP segment POTTF.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**	0.80 SQUARE MILES	00308	**2002**	**2010**	Three of 17 samples (17.6%) exceeded the upper range (9.0 SU) of the pH water quality criteria for Class II waters as established in 9 VAC 25-260-50 of the Virginia Water Quality Standards. As a result, the aquatic life use is considered impaired.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Neabsco Bay**

TMDL Group ID: **00800**

VAN-A25E_NEA01A00	**Neabsco Bay**	PRINCE WILLIAM CO	Segment includes the tidal waters of Neabsco Bay downstream until the confluence with Occoquan Bay. Portion of CBP segment POTTF.

VA Overall AU Category: **5A**

Use	Impairment	0.80 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		00800	**2004**	**2016**	Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (7 of 26 samples - 26.9%) were recorded at DEQ's ambient water quality monitoring station (1ANEA000.57) midway into the bay to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sources: Source Unknown

TMDL Watershed Name: **Neabsco Creek**

TMDL Group ID: **00310**

VAN-A25R_NEA01A00	**Neabsco Creek**	PRINCE WILLIAM CO	Segment begins at the confluence with an unnamed tributary to Neabsco Creek, near Dale City and approximately 0.4 rivermile downstream from Route 784 (on the tributary) and continues downstream until the start of the tidal waters of Neabsco Bay.

VA Overall AU Category: **5A**

Use	Impairment	8.80 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		00310	**2002**	**2010**	Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (5 of 17 samples - 29.4%) were recorded at DEQ's ambient water quality monitoring station (1ANEA002.89) at the Route One bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Nomini Creek**

TMDL Group ID: **00915**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-A32E_NOM01A04	**Nomini Creek**	WESTMORELAND CO	As described in VDH Shellfish Condemnation 082A, 7/14/2004. Extended from 1998 and now incorporates the previous Pierce Creek condemnations. POTMH

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**	0.53	SQUARE MILES	00915	**1998**	**2010**	VAP-A32E-04 Portions of Nomini Creek (0.28 sq. mi.) and Pierce Creek (0.14 sq. mi.) were assessed as impaired in 1998. During the 2004 cycle, the condemnation was expanded and combined. The segment remains impaired per VDH Shellfish Restriction 082A, 7/14/2004.

Sources: Source Unknown

TMDL Watershed Name: **North River**

TMDL Group ID: **00205**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAV-B17R_NTH01A00	**North River**	ROCKINGHAM CO	North River from its confluence with Briery Branch downstream to its confluence with Dry River.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	3.39	MILES	00205	**2002**	**2010**	

Sources: Wildlife Other than Waterfowl

TMDL Group ID: **01603**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAV-B16R_NTH01A00	**North River**	AUGUSTA CO	North River from the Staunton Reservoir downstream to its confluence with Little River.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**	6.00	MILES	01603	**2002**	**2014**	

Sources: Atmospheric Deposition - Acidity

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **North River**

TMDL Group ID: **01603**

VAV-B16R_NTH02A00	North River	AUGUSTA CO	North River from the Elkhorn Lake Dam downstream to the upper end of the Staunton Reservoir.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**	1.21	MILES	01603	**2002**	**2014**	

Sources: Atmospheric Deposition - Acidity

VAV-B16R_NTH03A00	North River	AUGUSTA CO	North River from the headwaters downstream to the upper end of Elkhorn Lake.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**	16.36	MILES	01603	**2002**	**2014**	

Sources: Atmospheric Deposition - Acidity

VAV-B17R_NTH04A00	North River	AUGUSTA CO	North River from its confluence with Little River downstream to its confluence with Freemason Run.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**	4.46	MILES	01603	**2002**	**2014**	

Sources: Atmospheric Deposition - Acidity

TMDL Watershed Name: **Occoquan Bay**

TMDL Group ID: **00309**

VAN-A25E_OCC02A00	Occoquan Bay	FAIRFAX CO PRINCE WILLIAM CO	Segment extends 0.5 mile around the around the monitoring station 1AOCC002.47. Portion of CBP segment POTTF.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**	0.59	SQUARE MILES	00309	**2002**	**2010**	Five of 16 samples (31.2%) exceeded the upper range (9.0 SU) of the pH water quality criteria for Class II waters as established in 9 VAC 25-260-50 of the Virginia Water Quality Standards. As a result, the aquatic life use was assessed as not supporting.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Occoquan Reservoir**

TMDL Group ID: **00282**

VAN-A24L_OCC01A02 **Occoquan Reservoir** FAIRFAX CO, PRINCE WILLIAM CO

Segment includes most of the Occoquan Reservoir; extending from rivermile 19.83 on the Occoquan River and rivermile 2.89 on Bull Run downstream until the dam, located at rivermile 7.14 on the Occoquan.

VA Overall AU Category: **5A**

Use	Impairment	1265.00 ACRES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		00282	**2002**	**2010**	The aquatic life use is impaired due to low dissolved oxygen in the bottom waters of the reservoir. All five stations report excursions of the minimum dissolved oxygen criterion for Class III nontidal waters of 4.0 mg/L. Greater than 10% of samples exceed the criterion in the bottom waters for all four stations where stratification occurred (RE02, RE15, RE30, and RE35) and at two stations during periods with no stratification occurring (RE01 and RE02). It is believed that the aeration process performed by the county water authority near station RE02 is the cause of the low dissolved oxygen values observed in the surface waters.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

VAN-A24L_OCC02A06 **Occoquan Reservoir** FAIRFAX CITY, PRINCE WILLIAM CO

Segment includes the upper Bull Run arm of the Occoquan Reservoir; extending from rivermile 2.89 on Bull Run downstream until the crossing of the Route 612 (Yates Ford Road) bridge.

VA Overall AU Category: **5A**

Use	Impairment	63.00 ACRES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		00282	**2002**	**2010**	The aquatic life use is impaired due to low dissolved oxygen in the bottom waters of the reservoir. All five stations report excursions of the minimum dissolved oxygen criterion for Class III nontidal waters of 4.0 mg/L. Greater than 10% of samples exceed the criterion in the bottom waters for all four stations where stratification occurred (RE02, RE15, RE30, and RE35) and at two stations during periods with no stratification occurring (RE01 and RE02). It is believed that the aeration process performed by the county water authority near station RE02 is the cause of the low dissolved oxygen values observed in the surface waters.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

TMDL Watershed Name: **Occoquan River**

TMDL Group ID: **00231**

VAN-A20R_OCC02A00 **Occoquan River** PRINCE WILLIAM CO

Segment begins downstream from the Lake Jackson impoundment and extends downstream until the confluence with Purcell Branch.

VA Overall AU Category: **5A**

Use	Impairment	1.61 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		00231	**2004**	**2016**	Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (4 of 8 samples - 50.0%) were recorded at DEQ's ambient water quality monitoring station (1AOCC024.74) at the Route 234 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Occoquan River**

TMDL Group ID: **00801**

VAN-A25E_OCC05A02	Occoquan River	FAIRFAX CO PRINCE WILLIAM CO	Segment extends from 0.5 rivermile upstream until 0.5 rivermile downstream of monitoring station 1AOCC006.71. Portion of CBP segment POTTF.

VA Overall AU Category: **5A**

Use	Impairment	0.05 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		00801	**2004**	**2016**	Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (2 of 13 samples - 15.4%) were recorded at DEQ's ambient water quality monitoring station (1AOCC006.71) at the Route 123 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sources: Source Unknown

TMDL Group ID: **60055**

VAN-A20R_OCC01A04	Occoquan River	PRINCE WILLIAM CO	Segment begins at the confluence with Purcell Branch and continues downstream until the start of the Occoquan Reservoir.

VA Overall AU Category: **5A**

Use	Impairment	3.07 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		60055	**2006**	**2018**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (3 of 14 samples - 21.4%) were recorded at DEQ's ambient water quality monitoring station (1AOCC021.35) at the Route 3000 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sources: Source Unknown

TMDL Watershed Name: **Orebank Creek**

TMDL Group ID: **50061**

VAV-B31R_ORE01A02	Orebank Creek	AUGUSTA CO	Orebrank Creek from the headwaters downstream to its confluence with Back Creek.

VA Overall AU Category: **5A**

Use	Impairment	3.00 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		50061	**2006**	**2018**	Newly listed for pH in 2006.

Sources: Atmospheric Deposition - Acidity

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Page Brook Run**

TMDL Group ID: **01648**

VAV-B57R_PGE01A00	Page Brook Run	CLARKE CO	Page Brook Run and tributaries from the headwaters downstream to its confluence with Roseville Run.

VA Overall AU Category: **5A**

Use	Impairment	8.83 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		01648	**2004**	**2016**	

Sources: Non-Point Source
Wildlife Other than Waterfowl

TMDL Watershed Name: **Paine Run**

TMDL Group ID: **01616**

VAV-B32R_PAN01A00	Paine Run	AUGUSTA CO ROCKINGHAM CO	Paine Run from the headwaters downstream to its confluence with South River.

VA Overall AU Category: **5A**

Use	Impairment	6.25 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		01616	**2004**	**2016**	

Sources: Atmospheric Deposition - Acidity

TMDL Watershed Name: **Panther Skin Creek**

TMDL Group ID: **60006**

VAN-A05R_PAE02A06	Panther Skin Creek	FAUQUIER CO LOUDOUN CO	Segment begins at the headwaters of Panther Skin Creek and continues downstream until the confluence with Jeffries Branch.

VA Overall AU Category: **5A**

Use	Impairment	5.05 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		60006	**2006**	**2018**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (4 of 8 samples - 50.0%) were recorded at DEQ's ambient water quality monitoring station (1APAE004.21) at the Route 719 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Passage Creek**

TMDL Group ID: **40112**

VAV-B54R_PSG01A00	Passage Creek	SHENANDOAH CO WARREN CO	Passage Creek from its confluence with Peters Mill Run downstream to its confluence with the North Fork Shenandoah River.

VA Overall AU Category: **5A**

Use	Impairment	18.50 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		40112	**2006**	**2016**	

Sources: Non-Point Source

TMDL Watershed Name: **Pimmit Run**

TMDL Group ID: **00794**

VAN-A12R_PIM01A00	Pimmit Run	ARLINGTON CO FAIRFAX CO	Segment begins at the confluence with Little Pimmit Run, approximately 0.1 rivermile downstream from Route 695, and continues downstream until the confluence with the Potomac River.

VA Overall AU Category: **5A**

Use	Impairment	1.63 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		00794	**2002**	**2014**	Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (4 of 16 samples - 25.0%) were recorded at DEQ's ambient water quality monitoring station (1APIM000.15) at the Route 120 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sources: Source Unknown

VAN-A12R_PIM02A00	Pimmit Run	FAIRFAX CO	Segment begins at the Route 309 bridge crossing, at rivermile 4.16, and continues downstream until the confluence with Little Pimmit Run, approximately 0.1 rivermile downstream from Route 695.

VA Overall AU Category: **5A**

Use	Impairment	2.53 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		00794	**2002**	**2014**	Although the data obtained during the 2006 assessment window shows exceedances of the instantaneous fecal coliform bacteria criterion (1 of 7 samples - 14.3%) is categorized as insufficient information, very little data has been collected from the DEQ's ambient water quality monitoring station (1APIM004.16) at Route 309 since the previous assessment window. The segment shall remain categorized as impaired.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Pimmit Run**

TMDL Group ID: **00794**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAN-A12R_PIM02B06	**Pimmit Run**	FAIRFAX CO	Segment begins at the headwaters of Pimmit Run, approximately 0.12 rivermile upstream from Route 7, and continues downstream until the Route 309 bridge crossing, at rivermile 4.16.

VA Overall AU Category: **5A**

Use	Impairment	3.22 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		00794	**2002**	**2014**	Although the data obtained during the 2006 assessment window shows exceedances of the instantaneous fecal coliform bacteria criterion (1 of 7 samples - 14.3%) is categorized as insufficient information, very little data has been collected from the DEQ's ambient water quality monitoring station (1APIM004.16) at Route 309 since the previous assessment window. The segment shall remain categorized as impaired.

Sources: Source Unknown

TMDL Group ID: **60022**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAN-A12R_PIM01A00	**Pimmit Run**	ARLINGTON CO FAIRFAX CO	Segment begins at the confluence with Little Pimmit Run, approximately 0.1 rivermile downstream from Route 695, and continues downstream until the confluence with the Potomac River.

VA Overall AU Category: **5A**

Use	Impairment	1.63 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**Chlordane**		60022	**2006**	**2018**	Exceedances of the water quality criterion based tissue value (TV) of 310 parts per billion (ppb) for chlordane in fish tissue were recorded in one specie of fish samples collected in 2001 and 2004 at monitoring station 1APIM000.15 (American eel).

Sources: Source Unknown

TMDL Group ID: **60023**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAN-A12R_PIM01A00	**Pimmit Run**	ARLINGTON CO FAIRFAX CO	Segment begins at the confluence with Little Pimmit Run, approximately 0.1 rivermile downstream from Route 695, and continues downstream until the confluence with the Potomac River.

VA Overall AU Category: **5A**

Use	Impairment	1.63 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**Heptachlor epoxide**		60023	**2006**	**2018**	Exceedances of the water quality criterion based tissue value (TV) of 12 parts per billion (ppb) for heptachlor epoxide in fish tissue were recorded in one specie of fish samples collected in 2001 and 2004 at monitoring station 1APIM000.15 (American eel).

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Pimmit Run**

TMDL Group ID: **60134**

VAN-A12R_PIM01A00 **Pimmit Run** ARLINGTON CO, FAIRFAX CO

Segment begins at the confluence with Little Pimmit Run, approximately 0.1 rivermile downstream from Route 695, and continues downstream until the confluence with the Potomac River.

VA Overall AU Category: **5A**

Use	Impairment	1.63 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		60134	**2006**	**2018**	The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 12/13/04, limits American eel consumption to no more than two meals per month. The affected area includes the following tributaries in the Potomac River basin between the VA/MD state line near the Route 340 bridge (Loudoun County) to the I-395 bridge (Arlington County); Goose Creek up to the Dulles Greenway Road Bridge, Broad Run up to the Route 625 bridge, Difficult Run up to the Route 7 bridge, and Pimmit Run up to the Route 309 bridge. Exceedances of the water quality criterion based tissue value (TV) of 54 parts per billion (ppb) for polychlorinated biphenyls (PCBs) in fish tissue were recorded in one specie of fish samples collected in 2001 and 2004 at monitoring station 1APIM000.15 (American eel).

Sources: Source Unknown

VAN-A12R_PIM02A00 **Pimmit Run** FAIRFAX CO

Segment begins at the Route 309 bridge crossing, at rivermile 4.16, and continues downstream until the confluence with Little Pimmit Run, approximately 0.1 rivermile downstream from Route 695.

VA Overall AU Category: **5A**

Use	Impairment	2.53 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		60134	**2006**	**2018**	The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 12/13/04, limits American eel consumption to no more than two meals per month. The affected area includes the following tributaries in the Potomac River basin between the VA/MD state line near the Route 340 bridge (Loudoun County) to the I-395 bridge (Arlington County); Goose Creek up to the Dulles Greenway Road Bridge, Broad Run up to the Route 625 bridge, Difficult Run up to the Route 7 bridge, and Pimmit Run up to the Route 309 bridge.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Pohick Bay**

TMDL Group ID: **60041**

VAN-A15E_POH02A00	Pohick Bay	FAIRFAX CO	Segment includes tidal waters of Pohick Creek, from the boundary of watershed A15, and extends until rivermile 1.31 in Gunston Cove. Portion of CBP segment POTTF.

VA Overall AU Category: **5A**

Use	Impairment	0.61 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		60041	**2006**	**2018**	Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (3 of 22 samples - 13.6%) were recorded at DEQ's ambient water quality monitoring station (1APOH002.32) to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sources: Source Unknown

TMDL Group ID: **60044**

VAN-A16E_POH01A06	Pohick Bay	FAIRFAX CO	Segment includes tidal waters of Pohick Creek upstream from the boundary of watershed A16. Portion of CBP segment POTTF.

VA Overall AU Category: **5A**

Use	Impairment	0.29 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		60044	**2006**	**2018**	Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (3 of 22 samples - 13.6%) were recorded at DEQ's ambient water quality monitoring station (1APOH002.32) to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sources: Source Unknown

TMDL Watershed Name: **Pohick Creek**

TMDL Group ID: **00799**

VAN-A16R_POH01A00	Pohick Creek	FAIRFAX CO	Segment begins at the confluence with South Run, approximately 0.25 rivermile upstream from I-95, and continues downstream until the end of the free-flowing portion of Pohick Creek.

VA Overall AU Category: **5A**

Use	Impairment	3.20 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**Benzo[k]fluoranthene**		00799	**2002**	**2014**	DEQ fish tissue/sediment station 1APOH004.79 was sampled in 1996. The fish consumption impairment remains, even though the data is from outside the assessment period. The fish consumption impairment is due to exceedances of the water quality criterion based tissue value (TV) of 15 ppb for benzo(k)fluoranthene in fish tissue. Exceedance of the TV for benzo(k)fluoranthene was exceeded in three species (bullhead catfish, white perch, and sunfish).

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Pohick Creek**

TMDL Group ID: **60046**

VAN-A16R_POH01A00 **Pohick Creek** FAIRFAX CO

Segment begins at the confluence with South Run, approximately 0.25 rivermile upstream from I-95, and continues downstream until the end of the free-flowing portion of Pohick Creek.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	3.20 MILES	60046	**2006**	**2018**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (3 of 12 samples - 25.0%) were recorded at DEQ's ambient water quality monitoring station (1APOH005.36) at the Route One bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sources: Source Unknown

VAN-A16R_POH03A04 **Pohick Creek** FAIRFAX CO

Segment begins at the confluence with Sideburn Branch and continues downstream until the confluence with an unnamed tributary to Pohick Creek, at rivermile 14.18.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	1.52 MILES	60046	**2006**	**2018**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (3 of 3 samples - 100%) were recorded at DEQ's ambient water quality monitoring station (1APOH015.09) at the Route 645 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sources: Source Unknown

TMDL Watershed Name: **Popes Creek**

TMDL Group ID: **00904**

VAP-A31E_POP01A98 **Popes Creek** WESTMORELAND CO

Described in condemnation notice.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**	0.41 SQUARE MILES	00904	**1998**	**2010**	VAP-A31E-07

The segment was assessed as not supporting the Shellfish Consumption Use based on VDH-DSS Shellfish Condemnation 146, 4/27/1989. The TMDL is due 2010.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Popes Creek**

TMDL Group ID: **00905**

VAP-A31E_POP01A98 **Popes Creek** WESTMORELAND CO Described in condemnation notice.

VA Overall AU Category: **5A**

Use	Impairment	0.41 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Enterococcus**		00905	**2006**	**2014**	VAP-A31E-07 Popes Creek was initially assessed as impaired of the Recreation Use in 2002 based on fecal coliform standard violations at 1APOP000.38. During the 2006 cycle, the fecal coliform rate remained impaired (2/7) and enterococci was added as an impairment (2/6). The bacteria TMDL is due 2014
		Sources: Source Unknown				
Recreation	**Fecal Coliform**		00905	**1998**	**2014**	VAP-A31E-07 Popes Creek was initially assessed as impaired of the Recreation Use in 2002 based on fecal coliform standard violations at 1APOP000.38. During the 2006 cycle, the fecal coliform rate remained impaired (2/7) and enterococci was added as an impairment (2/6). The bacteria TMDL is due 2014
		Sources: Source Unknown				

TMDL Group ID: **10019**

VAP-A31R_POP01A00 **Popes Creek** WESTMORELAND CO Watershed above tidal limit.

VA Overall AU Category: **5C**

Use	Impairment	13.69 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		10019	**2006**	**2018**	VAP-A31R-03 Popes Creek is assessed as not supporting the Aquatic Life Use based on a dissolved oxygen violation rate of 2/11 and a pH violation rate of 3/11 at 1APOP003.92.
		Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed				

TMDL Group ID: **10020**

VAP-A31R_POP01A00 **Popes Creek** WESTMORELAND CO Watershed above tidal limit.

VA Overall AU Category: **5C**

Use	Impairment	13.69 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		10020	**2006**	**2018**	VAP-A31R-03 Popes Creek is assessed as not supporting the Aquatic Life Use based on a dissolved oxygen violation rate of 2/11 and a pH violation rate of 3/11 at 1APOP003.92.
		Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed				

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Popes Head Creek**

TMDL Group ID: **00236**

VAN-A23R_POE01A00	Popes Head Creek	FAIRFAX CO	Segment begins at the confluence with Piney Branch, approximately 0.25 rivermile downstream from Route 660, and continues downstream until the confluence with Bull Run.

VA Overall AU Category: **5A**

Use	Impairment	4.92 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00236	**2006**	**2016**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (5 of 18 samples - 27.8%) were recorded at DEQ's ambient water quality monitoring station (1APOE002.00) at the Route 645 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. The segment was previously listed for a fecal coliform bacteria impairment, beginning in 2004.

Sources: Source Unknown

TMDL Group ID: **00237**

VAN-A23R_POE01A00	Popes Head Creek	FAIRFAX CO	Segment begins at the confluence with Piney Branch, approximately 0.25 rivermile downstream from Route 660, and continues downstream until the confluence with Bull Run.

VA Overall AU Category: **5A**

Use	Impairment	4.92 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		00237	**1998**	**2010**	DEQ benthic macroinvertebrate biological monitoring finds this segment to be slightly impaired.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac Creek**

TMDL Group ID: **00814**

VAN-A29E_POM02A02	Potomac Creek	KING GEORGE CO STAFFORD CO	Segment extends a half-mile radius around monitoring station 1APOM002.41. Portion of CBP segment POTOH.

VA Overall AU Category: **5A**

Use	Impairment	0.60 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Chloride**		00814	**2004**	**2016**	Four exceedances of the chloride standard were recorded at DEQ monitoring station 1APOM002.41, contributing to the not supporting assessment of the aquatic life use goal. This segment is considered transition zone tidal waters. The Water Quality Standards stipulate that the more stringent of either the freshwater or saltwater criteria apply. Therefore, these waters are listed as impaired. However, a TMDL is not necessary as the chloride levels are attributable to the natural estuarine conditions.
		Sources: Natural Sources				
Wildlife	**Chloride**		00814	**2004**	**2016**	Four exceedances of the chloride standard were recorded at DEQ monitoring station 1APOM002.41, contributing to the not supporting assessment of the aquatic life use goal. This segment is considered transition zone tidal waters. The Water Quality Standards stipulate that the more stringent of either the freshwater or saltwater criteria apply. Therefore, these waters are listed as impaired. However, a TMDL is not necessary as the chloride levels are attributable to the natural estuarine conditions.
		Sources: Natural Sources				

TMDL Group ID: **00815**

VAN-A29E_POM02A02	Potomac Creek	KING GEORGE CO STAFFORD CO	Segment extends a half-mile radius around monitoring station 1APOM002.41. Portion of CBP segment POTOH.

VA Overall AU Category: **5A**

Use	Impairment	0.60 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		00815	**2002**	**2014**	Sufficient exceedances of the instantaneous pH criterion (2 of 17 samples - 11.8%) were recorded at DEQ's ambient water quality monitoring station (1APOM002.41) to assess this segment as not supporting of the aquatic life use goal for the 2006 water quality assessment. The exceedances were greater than the upper range (9.0 SU) of the pH water quality criteria for Class II waters as established in 9 VAC 25-260-50 of the Virginia Water Quality Standards.
		Sources: Source Unknown				

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac Creek**

TMDL Group ID: **00818**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAN-A29R_POM01A00	Potomac Creek	STAFFORD CO	Segment begins at the railroad crossing at the west end of swamp, upstream from Route 608, and continues downstream until the east end of swamp.

VA Overall AU Category: **5C**

Use	Impairment	2.23 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		00818	**2002**	**2014**	Sufficient exceedances of the instantaneous dissolved oxygen criterion (6 of 21 samples - 28.6%) were recorded at DEQ's ambient water quality monitoring station (1APOM006.72) at the Route 608 bridge to assess this stream segment as not supporting of the aquatic life use goal for the 2006 water quality assessment.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

TMDL Group ID: **00819**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAN-A29R_POM01A00	Potomac Creek	STAFFORD CO	Segment begins at the railroad crossing at the west end of swamp, upstream from Route 608, and continues downstream until the east end of swamp.

VA Overall AU Category: **5C**

Use	Impairment	2.23 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		00819	**2004**	**2016**	Sufficient exceedances of the instantaneous pH criterion (4 of 19 samples - 21.0%) were recorded at DEQ's ambient water quality monitoring station (1APOM006.72) at the Route 608 bridge to assess this stream segment as not supporting of the aquatic life use goal for the 2006 water quality assessment.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

TMDL Group ID: **00820**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAN-A29R_POM01A00	Potomac Creek	STAFFORD CO	Segment begins at the railroad crossing at the west end of swamp, upstream from Route 608, and continues downstream until the east end of swamp.

VA Overall AU Category: **5C**

Use	Impairment	2.23 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00820	**2006**	**2016**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (3 of 9 samples - 33.3%) were recorded at DEQ's ambient water quality monitoring station (1APOM006.72) at the Route 608 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. The segment was previously listed for a fecal coliform bacteria impairment, beginning in 2004.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac Creek**

TMDL Group ID: **00820**

VAN-A29R_POM03A06	Potomac Creek	STAFFORD CO	Segment begins at the outlet for Able Lake and continues downstream until the confluence with an unnamed tributary to Potomac Creek, at rivermile 9.12.

VA Overall AU Category: **5A**

Use	Impairment	3.88 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00820	**2006**	**2018**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (2 of 8 samples - 25.0%) were recorded at DEQ's ambient water quality monitoring station (1APOM012.24) at the Route 627 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac Mesohaline Embayments**

TMDL Group ID: **10051**

VAP-A31E_BRG01A04	Bridges Creek	WESTMORELAND CO	Tidal limit to mouth POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.19 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 Potomac Mesohaline failed the Submerged Aquatic Vegetation Acreage during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 Potomac Mesohaline failed the Submerged Aquatic Vegetation Acreage during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac Mesohaline Embayments**

TMDL Group ID: **10051**

VAP-A31E_GLD01A00	**Goldman Creek**	WESTMORELAND CO	Described in previous condemnation notice 088A . POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.05 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac Mesohaline Embayments**

TMDL Group ID: **10051**

VAP-A31E_MAO01A98	Mattox Creek	WESTMORELAND CO	Described in the condemnation notice 002-001B, 11/15/2004. Segment expanded in 2006 cycle. POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.63 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac Mesohaline Embayments**

TMDL Group ID: **10051**

VAP-A31E_MAO02A00	Mattox Creek	WESTMORELAND CO	Downstream of VDH-DSS condemnation area 001E, 11/15/04. Segment shortened in 2006 cycle POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.53 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Clean Sediments
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sediment Resuspension (Clean Sediment)
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Clean Sediments
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sediment Resuspension (Clean Sediment)
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac Mesohaline Embayments**

TMDL Group ID: **10051**

VAP-A31E_MAO03A04	Mattox Creek	WESTMORELAND CO	As described in VDH Condemnation 002-001E, 11/15/04 Prohibited zone POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac Mesohaline Embayments**

TMDL Group ID: **10051**

VAP-A31E_MON01A00	**Monroe Creek**	WESTMORELAND CO	Prohibited area around STP outfall as described in VDH shellfish condemnation 002-001D 11/15/2004 POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.17 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac Mesohaline Embayments**

TMDL Group ID: **10051**

VAP-A31E_MON02A98 **Monroe Creek** WESTMORELAND CO

Described in VDH condemnation notice 002-001A, 11/15/2004

Expanded in 2006 cycle.

POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.48 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac Mesohaline Embayments**

TMDL Group ID: **10051**

VAP-A31E_MON03A98	Monroe Bay	WESTMORELAND CO	Described in VDH condemnation notice 002-001 M1, 11/15/2004 Size reduced in 2006 cycle POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.28 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Clean Sediments
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sediment Resuspension (Clean Sediment)
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Clean Sediments
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sediment Resuspension (Clean Sediment)
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac Mesohaline Embayments**

TMDL Group ID: **10051**

VAP-A31E_MON04A00	Monroe Bay	WESTMORELAND CO	Downstream of VDS-DSS condemnation area 001M1, 11/15/04 POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.52 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac Mesohaline Embayments**

TMDL Group ID: **10051**

VAP-A31E_MON05A04	Monroe Creek	WESTMORELAND CO	Described in VDH Condemnation 001C, 11/15/2004

POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.00 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac Mesohaline Embayments**

TMDL Group ID: **10051**

VAP-A31E_POP01A98	Popes Creek	WESTMORELAND CO	Described in condemnation notice.

VA Overall AU Category: **5A**

Use	Impairment	0.41 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac Mesohaline Embayments**

TMDL Group ID: **10051**

VAP-A31E_ROS01A98	**Rosier Creek**	WESTMORELAND CO	Described in VDH condemnation notice 088A, 9/22/2004. Segment expanded in 2006 POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.30 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac Mesohaline Embayments**

TMDL Group ID: **10051**

VAP-A31E_ROS02A00	Rosier Creek	WESTMORELAND CO	From the downstream limit of segment ROS01A98 to its mouth at the Potomac River. Size reduced in 2006 POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.30 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac Mesohaline Embayments**

TMDL Group ID: **10051**

VAP-A31E_ZZZ01A00	Unsegmented estuaries in A31	WESTMORELAND CO	Unsegmented portion of watershed. POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.23 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac Mesohaline Embayments**

TMDL Group ID: **10051**

VAP-A32E_BAN01A00	Barnes Creek	WESTMORELAND CO	Downstream of the tidal limit. POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.06 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac Mesohaline Embayments**

TMDL Group ID: **10051**

VAP-A32E_BRA01A98	Branson Cove	WESTMORELAND CO	Described in the condemnation notice 083C, 12/18/02

POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac Mesohaline Embayments**

TMDL Group ID: **10051**

VAP-A32E_BUB01A04	Buckner Creek	WESTMORELAND CO	As described in VDH Condemnation 082B, 7/14/04 POTMH Segment shortened in 2006

VA Overall AU Category: **5A**

Use	Impairment	0.09 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac Mesohaline Embayments**

TMDL Group ID: **10051**

VAP-A32E_BUB02A06	**Buckner Creek**	WESTMORELAND CO	Downstream of condemnation 004-082B, 7/14/04
			POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.29 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac Mesohaline Embayments**

TMDL Group ID: **10051**

VAP-A32E_CAP01A04	**Cabin Point Creek**	WESTMORELAND CO	As described in the condemnation notice 165, 4/27/1989
			POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.12 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac Mesohaline Embayments**

TMDL Group ID: **10051**

VAP-A32E_CHB01A98	Cold Harbor Bay	WESTMORELAND CO	Described in the condemnation notice 004-184A, 8/23/04. POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.09 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac Mesohaline Embayments**

TMDL Group ID: **10051**

VAP-A32E_CHB02A06	Cold Harbor Creek	WESTMORELAND CO	Described in VDH condemnation 004-184M1, 8/23/2004

POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.05 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac Mesohaline Embayments**

TMDL Group ID: **10051**

VAP-A32E_CUR01A98	Currioman Creek	WESTMORELAND CO	Described in the condemnation notice 004-184B, 8/23/2004. Square mileage adjusted in 2006. POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.05 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac Mesohaline Embayments**

TMDL Group ID: **10051**

VAP-A32E_CUR02A00 **Currioman Bay** WESTMORELAND CO Downstream of Currioman Creek.

POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.72 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac Mesohaline Embayments**

TMDL Group ID: **10051**

VAP-A32E_GLB01A00	Glebe and Ames Creeks	WESTMORELAND CO	Downstream of tidal limit. POTMH Mileage adjusted in 2006

VA Overall AU Category: **5A**

Use	Impairment	0.24 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac Mesohaline Embayments**

TMDL Group ID: **10051**

VAP-A32E_LOW01A04 **Lower Machodoc Creek** WESTMORELAND CO

As described in VDH condemnation notice 083A, 12/18/2002.

Listed in 1998. Mileage adjusted in 2006

POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.51 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac Mesohaline Embayments**

TMDL Group ID: **10051**

VAP-A32E_LOW02A00	Lower Machodoc Creek	WESTMORELAND CO	Boundary of condemned area 083A, 12/18/2002 downstream to start of deep water use at approx. rivermile 0.5. POTMH Mileage adjusted in 2006

VA Overall AU Category: **5A**

Use	Impairment	1.91 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac Mesohaline Embayments**

TMDL Group ID: **10051**

VAP-A32E_LOW03A06	Lower Machodoc Creek	WESTMORELAND CO	Start of Deep Water Use at approximately rivermile 0.5 to mouth POTMH

VA Overall AU Category: **5A**

Use	Impairment	1.18 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac Mesohaline Embayments**

TMDL Group ID: **10051**

VAP-A32E_NOM01A04	Nomini Creek	WESTMORELAND CO	As described in VDH Shellfish Condemnation 082A, 7/14/2004. Extended from 1998 and now incorporates the previous Pierce Creek condemnations. POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.53 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac Mesohaline Embayments**

TMDL Group ID: **10051**

VAP-A32E_NOM02A00	**Nomini Creek**	WESTMORELAND CO	Downstream condemnation boundary to the start of the deepwater use at approximately river mile 1. In 2006, segment was merged with VAP-A32E_NOM03A00 and the downstream boundary adjusted slightly to reconcile with the deepwater boundary. POTMH

VA Overall AU Category: **5A**

Use	Impairment	2.51 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac Mesohaline Embayments**

TMDL Group ID: **10051**

VAP-A32E_NOM04A00	Nomini Creek	WESTMORELAND CO	Downstream of deepwater use boundary at approx. river mile 1.0. POTMH

VA Overall AU Category: **5A**

Use	Impairment	2.52 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria and the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac Mesohaline Embayments**

TMDL Group ID: **10051**

VAP-A32E_NOP01A02	**North Prong Buckner Creek**	WESTMORELAND CO	Described in the condemnation notice 004-082C, 7/14/2004. POTMH Mileage adjusted in 2006 Mileage adjusted in 2006

VA Overall AU Category: **5A**

Use	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac Mesohaline Embayments**

TMDL Group ID: **10051**

VAP-A32E_WEA01A00	Weatherall Creek	WESTMORELAND CO	Downstream of condemnation 083B, 12/18/2002
			POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac Mesohaline Embayments**

TMDL Group ID: **10051**

VAP-A32E_WEA02A04	Weatherall Creek	WESTMORELAND CO	As described in VDH Shellfish condemnation 083B, 12/18/2002. POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.05 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac Mesohaline Embayments**

TMDL Group ID: **10051**

VAP-A32E_ZZZ01A00	**Unsegmented estuaries in A32**	WESTMORELAND CO	Unsegmented portion of watershed. POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.25 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac Mesohaline Embayments**

TMDL Group ID: **10051**

VAP-A33E_BOM01A98 **Bonum Creek** WESTMORELAND CO

Described in the condemnation notice 006-159, 7/2/2002.

Square mileage was changed in 2006 condemnation, although the area remained the same.

POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.20 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac Mesohaline Embayments**

TMDL Group ID: **10051**

VAP-A33E_DRM01A06	**Drum Cove**	NORTHUMBERLAND CO	Described in 007-028D, 07/21/2004 POTMH Segment shortened in 2006 POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.04 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac Mesohaline Embayments**

TMDL Group ID: **10051**

VAP-A33E_DUA01A04	Dungan Cove	NORTHUMBERLAND CO	As described in VDH Shellfish Condemnation 007-028G, 7/14/2006 Mileage adjusted slightly in 2006 although area did not change. POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac Mesohaline Embayments**

TMDL Group ID: **10051**

VAP-A33E_DUA02A00	Dungan Cove	NORTHUMBERLAND CO	Downstream of condemnation notice 028G, 7/14/2004 POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.07 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac Mesohaline Embayments**

TMDL Group ID: **10051**

VAP-A33E_GAD01A98 **Gardner Creek** WESTMORELAND CO

Described in the condemnation notice 143, 7/2/2002.

Size adjusted in 2006 cycle

POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.13 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac Mesohaline Embayments**

TMDL Group ID: **10051**

VAP-A33E_GAD02A00	Gardner Creek	WESTMORELAND CO	Downstream of Segment VAP-A33E_GAD01A98. POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.07 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac Mesohaline Embayments**

TMDL Group ID: **10051**

VAP-A33E_HAM01A02	Hampton Hall Branch, Kinsale Branch	NORTHUMBERLAND CO WESTMORELAND CO	Described in the condemnation notice 007-028C, 7/21/2004. Segment expanded and incorporated the segment VAP-A33E_KIS01A00 in 2006 POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.43 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac Mesohaline Embayments**

TMDL Group ID: **10051**

VAP-A33E_JCK01A98	Jackson Creek	WESTMORELAND CO	Described in the condemnation notice 144, 7/2/2002 POTMH Square mileage adjusted in 2006, although area did not change

VA Overall AU Category: **5A**

Use	Impairment	0.13 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac Mesohaline Embayments**

TMDL Group ID: **10051**

VAP-A33E_LOG01A98	Lodge Creek	NORTHUMBERLAND CO	Described in the condemnation notice 007-028H, 7/14/2004. POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac Mesohaline Embayments**

TMDL Group ID: **10051**

VAP-A33E_LOG02A98	Lodge Creek	NORTHUMBERLAND CO	Described in the condemnation notice 007-028F, 7/21/2004. Expanded in 2004 and incorporated previous 2002 LOG03A00 segment. Sq. mileage adjusted in 2006, although area has not changed. POMTH

VA Overall AU Category: **5A**

Use	Impairment	0.25 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac Mesohaline Embayments**

TMDL Group ID: **10051**

VAP-A33E_MIA01A98	Mill Creek	NORTHUMBERLAND CO	Described in the condemnation notice 07/21/2004. Segment expanded in 2006 POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.15 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac Mesohaline Embayments**

TMDL Group ID: **10051**

VAP-A33E_MIA02A02	Mill Creek	NORTHUMBERLAND CO	Mill Creek from MIA01A98 to the mouth. Segment shortened in 2006 POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.15 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac Mesohaline Embayments**

TMDL Group ID: **10051**

VAP-A33E_RAG01A06	Ragged Point Bay	NORTHUMBERLAND CO WESTMORELAND CO	Described in VDH-DSS condemnation 006-M208, 4/13/1989 POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.20 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac Mesohaline Embayments**

TMDL Group ID: **10051**

VAP-A33E_SHA01A98	Shannon Branch	WESTMORELAND CO	Described in the condemnation notice 007-028A, 07/21/2004. POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.13 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac Mesohaline Embayments**

TMDL Group ID: **10051**

VAP-A33E_SHA02A00	Shannon Branch	WESTMORELAND CO	Downstream of SHA01A98. POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.13 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac Mesohaline Embayments**

TMDL Group ID: **10051**

VAP-A33E_SHA03A06	Shannon Branch	WESTMORELAND CO	Described in VDH-DSS condemnation 007-028M1, 07/21/2004

POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac Mesohaline Embayments**

TMDL Group ID: **10051**

VAP-A33E_SOV01A02	South Yeocomico River	NORTHUMBERLAND CO	South Yeocomico River except Dungan Cove Sq. mileage adjusted in 2006 POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.83 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac Mesohaline Embayments**

TMDL Group ID: **10051**

VAP-A33E_SOV02A06	South Yeocomico River	NORTHUMBERLAND CO	Described in VDH-DSS condemnation 007-028M4, 7/21/2004
			POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.11 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac Mesohaline Embayments**

TMDL Group ID: **10051**

VAP-A33E_WES01A06	West Yeocomico River	WESTMORELAND CO	Described in VDH-DSS condemnation 007-028M3, 07/21/2006

POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac Mesohaline Embayments**

TMDL Group ID: **10051**

VAP-A33E_WES02A06	West Yeocomico River	NORTHUMBERLAND CO WESTMORELAND CO	Downstream of condemnations POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.38 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac Mesohaline Embayments**

TMDL Group ID: **10051**

VAP-A33E_WHP01A98	**White Point Creek**	WESTMORELAND CO	Described in the condemnation notice 007-028B, 07/21/2004. Size adjusted in 2006 cycle. POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.08 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac Mesohaline Embayments**

TMDL Group ID: **10051**

VAP-A33E_WHP02A00	White Point Creek	WESTMORELAND CO	Downstream of segment WHP01A98. Segment shortened in 2006 POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.04 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac Mesohaline Embayments**

TMDL Group ID: **10051**

VAP-A33E_WHP03A06	NW Yeocomico (White Point Creek/Shannon Branch)	WESTMORELAND CO	Described in VDH-DSS condemnation 007-028M2, 07/21/2004 POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac Mesohaline Embayments**

TMDL Group ID: **10051**

VAP-A33E_YEO01A02	Yeocomico River and Tributaries	NORTHUMBERLAND CO WESTMORELAND CO	Yeocomico River POTMH

VA Overall AU Category: **5A**

Use	Impairment	1.84 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac Mesohaline Embayments**

TMDL Group ID: **10051**

VAP-A33E_ZZZ01A00	**Unsegmented estuaries in A33**	NORTHUMBERLAND CO WESTMORELAND CO	Unsegmented portion of the watershed. POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.73 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac Mesohaline Embayments**

TMDL Group ID: **10051**

VAP-A34E_BOT01A04	Boathouse Creek	NORTHUMBERLAND CO	As described in VDH Shellfish Condemnation 008-214F, 12/29/2003
			POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.07 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac Mesohaline Embayments**

TMDL Group ID: **10051**

VAP-A34E_BRD01A98	Bridgeman Creek	NORTHUMBERLAND CO	Described in the condemnation notice 009-142A, 12/22/2004. Sq. mileage adjusted in 2006 although area did not change POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.05 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac Mesohaline Embayments**

TMDL Group ID: **10051**

VAP-A34E_COA01A02	**Coan River**	NORTHUMBERLAND CO	Described in the VDH-DSS Condemnation Notice 145H, 11/27/2002, not otherwise segmented. Size adjusted in 2006 POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac Mesohaline Embayments**

TMDL Group ID: **10051**

VAP-A34E_COA01A06	Coan River	NORTHUMBERLAND CO	Described in SFC 008-214E, 12/29/2003 not otherwise segmented. POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.06 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac Mesohaline Embayments**

TMDL Group ID: **10051**

VAP-A34E_COA01A98	**Coan River**	NORTHUMBERLAND CO	Described in the VDH-DSS Condemnation Notice 145I, 2/25/1997, not otherwise segmented. POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.33 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac Mesohaline Embayments**

TMDL Group ID: **10051**

VAP-A34E_COA02A02	Coan River	NORTHUMBERLAND CO	From SFC 008-214E, 12/29/2003 to its mouth at the Potomac, excluding otherwise segmented waterbodies. Segment adjusted in 2006 cycle. POTMH

VA Overall AU Category: **5A**

Use	Impairment	2.65 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**	10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac Mesohaline Embayments**

TMDL Group ID: **10051**

VAP-A34E_COC01A98	**Cod Creek**	NORTHUMBERLAND CO	Described in the condemnation notice 009-141A, 12/22/04. Segment extended in 2006 into 2004 segment VAP-A34E_COC02A04, which was deleted. POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.10 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac Mesohaline Embayments**

TMDL Group ID: **10051**

VAP-A34E_COC01B02	Cod Creek	NORTHUMBERLAND CO	Described in the condemnation notice 009-141B, 12/22/2004

POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.04 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac Mesohaline Embayments**

TMDL Group ID: **10051**

VAP-A34E_CUT01A98	**Cubitt Creek**	NORTHUMBERLAND CO	Described in the condemnation notice 009-168, 4/27/1989 POTMH.

VA Overall AU Category: **5A**

Use	Impairment	0.23 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac Mesohaline Embayments**

TMDL Group ID: **10051**

VAP-A34E_FTN01A06	Fountain Cove	NORTHUMBERLAND CO	Described in VDH-DSS condemnation 009-142B, 12/22/2004
			POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.04 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac Mesohaline Embayments**

TMDL Group ID: **10051**

VAP-A34E_GLB01A04	The Glebe	NORTHUMBERLAND CO	VDH-DSS notice 145C, 11/27/2002 boundary upstream to VDDH-DSS notice 145D, 2/25/1997 boundary POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.10 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Clean Sediments
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sediment Resuspension (Clean Sediment)
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Clean Sediments
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sediment Resuspension (Clean Sediment)
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac Mesohaline Embayments**

TMDL Group ID: **10051**

VAP-A34E_GLB01A98	**The Glebe**	NORTHUMBERLAND CO	Described in the condemnation notice 145D, 2/25/1997. POTMH

VA Overall AU Category: **5D**

Use	Impairment	0.13 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac Mesohaline Embayments**

TMDL Group ID: **10051**

VAP-A34E_GLB02A00	The Glebe	NORTHUMBERLAND CO	VDH-DSS condemnation 008-213B, 12/29/2003 not otherwise segmented Size extended in 2006 POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.26 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac Mesohaline Embayments**

TMDL Group ID: **10051**

VAP-A34E_GLB03A00	**The Glebe**	NORTHUMBERLAND CO	Downstream of VDH-DSS SFC 008-213B, 12/2/2003 to its mouth at the Coan River. Size reduced in 2006 due to upstream condemnations POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.40 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac Mesohaline Embayments**

TMDL Group ID: **10051**

VAP-A34E_GLB04A04	**The Glebe**	NORTHUMBERLAND CO	Described in the VDH-DSS Shellfish Condemnation 145A, 11/27/2002
			POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.04 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac Mesohaline Embayments**

TMDL Group ID: **10051**

VAP-A34E_HAC01A00	Hack Creek	NORTHUMBERLAND CO	Tidal limit to mouth at Potomac River. POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.21 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac Mesohaline Embayments**

TMDL Group ID: **10051**

VAP-A34E_HEA01A98	Headly Cove	NORTHUMBERLAND CO	Described in the VDH-DSS Condemnation Notice 145H, 2/25/1997. POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac Mesohaline Embayments**

TMDL Group ID: **10051**

VAP-A34E_HUL01A02	**Hull Creek**	NORTHUMBERLAND CO	Hull Creek, excluding Spring Cove, as described in condemnation notice 009-142 12/22/2004. Size expanded in 2006 POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.35 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac Mesohaline Embayments**

TMDL Group ID: **10051**

VAP-A34E_KIN01A00	Kingscote Creek	NORTHUMBERLAND CO	Tidal limit to the Coan River.
			POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.29 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac Mesohaline Embayments**

TMDL Group ID: **10051**

VAP-A34E_KIN02A06	Kingscote Creek	NORTHUMBERLAND CO	Described in VDH-DSS condemnation 008-213M1, 12/29/03
			POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac Mesohaline Embayments**

TMDL Group ID: **10051**

VAP-A34E_KIN03A06	Kingscote Creek	NORTHUMBERLAND CO	Described in VDH-DSS condemnation 008-213M2, 12/29/2003
			POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac Mesohaline Embayments**

TMDL Group ID: **10051**

VAP-A34E_KIN04A06	Kingscote Creek	NORTHUMBERLAND CO	Described in VDH-DSS condemnation 008-213A, 12/29/2003
			POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.06 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac Mesohaline Embayments**

TMDL Group ID: **10051**

VAP-A34E_KNC01A98	Killneck Creek	NORTHUMBERLAND CO	Described in the condemnation notice 8-214B, 12/29/2003. POTMH

VA Overall AU Category: **5D**

Use	Impairment	0.05 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac Mesohaline Embayments**

TMDL Group ID: **10051**

VAP-A34E_KNC01B06	Killneck Creek	NORTHUMBERLAND CO	Described in VDH-DSS condemnation 8-214A, 12/29/2003

POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac Mesohaline Embayments**

TMDL Group ID: **10051**

VAP-A34E_MII01A06	Mill Creek	NORTHUMBERLAND CO	Tidal limit to mouth at Coan River POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.10 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac Mesohaline Embayments**

TMDL Group ID: **10051**

VAP-A34E_PRE01A98	Presley Creek	NORTHUMBERLAND CO	Described in the condemnation notice 140, 4/27/1989 Sq. mileage adjusted during 2006 cycle, though area did not change POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.30 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac Mesohaline Embayments**

TMDL Group ID: **10051**

VAP-A34E_ROG01A98	Rogers Creek	NORTHUMBERLAND CO	Described in the condemnation notice 009-142D, 12/22/2004. Sq. mileage adjusted in 2006, although area did not change POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac Mesohaline Embayments**

TMDL Group ID: **10051**

VAP-A34E_SPN01A04	Spring Cove	NORTHUMBERLAND CO	Tidal limit to mouth at Hull Creek Portion of VDH-DSS condemnation 009-142C, 12/22/2004 POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac Mesohaline Embayments**

TMDL Group ID: **10051**

VAP-A34E_WRS01A04	Wrights Cove	NORTHUMBERLAND CO	Described in VDH-DSS Shellfish Condemnation 145B, 11/27/2002
			POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.04 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac Mesohaline Embayments**

TMDL Group ID: **10051**

VAP-A34E_XFI01A98	**Stevens Point**	NORTHUMBERLAND CO	Described in the condemnation notice 8-214C, 12/29/2003 Sq. mileage adjusted in 2006 POTMH

VA Overall AU Category: **5D**

Use	Impairment	0.04 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac Mesohaline Embayments**

TMDL Group ID: **10051**

VAP-A34E_XFJ01A98	Coan River, UT	NORTHUMBERLAND CO	Described in the condemnation notice 008-214D, 12/29/2003. POTMH Size increased during 2004 cycle (0.02 to 0.05 sq. mi)

VA Overall AU Category: **5A**

Use	Impairment	0.05 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac Mesohaline Embayments**

TMDL Group ID: **10051**

VAP-A34E_ZZZ01A00	Unsegmented estuaries in A34	NORTHUMBERLAND CO	Unsegmented portion of the watershed. POTMH

VA Overall AU Category: **5A**

Use	Impairment	2.51 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10051	**2006**	**2010**	VAP-A31E-02 The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac River, South Branch**

TMDL Group ID: **50228**

VAV-B02R_SOA01A00	South Branch Potomac River	HIGHLAND CO	South Branch Potomac River from the headwaters downstream to the VA/WVA state line.

VA Overall AU Category: **5A**

Use	Impairment	10.16 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		50228	**2006**	**2018**	Newly listed for bacteria in 2006 WQS for bacteria not supporting at 1ASOA001.00 (3 violations of 9) and 1ASOA003.77 (2 violations of 9)

Sources: Non-Point Source

TMDL Watershed Name: **Potomac River, Tidal (Accotink Creek)**

TMDL Group ID: **20005**

VAN-A15E_ACO01A06	Accotink Bay	FAIRFAX CO	Segment includes tidal waters of Accotink Creek until the confluence with the tidal waters of Pohick Bay/ Gunston Cove. Portion of CBP segment POTTF.

VA Overall AU Category: **5A**

Use	Impairment	0.35 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		20005	**2002**	**2014**	The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 4/19/99 and modified 12/13/04, limits consumption of American eel, bullhead catfish, channel catfish less than eighteen inches long, largemouth bass, anadromous (coastal) striped bass, sunfish species, smallmouth bass, white catfish, white perch, gizzard shad, and yellow perch consumption to no more than two meals per month. The advisory also restricts the consumption of carp and channel catfish greater than eighteen inches long. The affected area includes the tidal portions of the following tributaries and embayments from the I-395 bridge (above the Woodrow Wilson Bridge) to the Potomac River Bridge at Route 301: Fourmile Run, Hunting Creek, Little Hunting Creek, Pohick Creek, Accotink Creek, Occoquan River, Neabsco Creek, Powell Creek, Quantico Creek, Chopawamsic Creek, Aquia Creek, and Potomac Creek.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac River, Tidal (Chopawamsic Creek)**

TMDL Group ID: **20013**

VAN-A26E_CHO01A04 **Chopawamsic Creek** PRINCE WILLIAM CO, STAFFORD CO

Segment includes all of the Chopawamsic Creek embayment downstream until the state line at the confluence with the Potomac River.
Portion of CBP segment POTOH.

VA Overall AU Category: **5A**

Use	Impairment	0.61 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		20013	**2002**	**2014**	The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 4/19/99 and modified 12/13/04, limits consumption of American eel, bullhead catfish, channel catfish less than eighteen inches long, largemouth bass, anadromous (coastal) striped bass, sunfish species, smallmouth bass, white catfish, white perch, gizzard shad, and yellow perch consumption to no more than two meals per month. The advisory also restricts the consumption of carp and channel catfish greater than eighteen inches long. The affected area includes the tidal portions of the following tributaries and embayments from the I-395 bridge (above the Woodrow Wilson Bridge) to the Potomac River Bridge at Route 301: Fourmile Run, Hunting Creek, Little Hunting Creek, Pohick Creek, Accotink Creek, Occoquan River, Neabsco Creek, Powell Creek, Quantico Creek, Chopawamsic Creek, Aquia Creek, and Potomac Creek. Additionally, exceedances of the water quality criterion based tissue value (TV) of 54 parts per billion (ppb) for polychlorinated biphenyls (PCBs) in fish tissue were recorded in four species of fish samples collected in 2001 at monitoring station 1ACHO000.90 (largemouth bass, yellow perch, channel catfish, and carp).

Sources: Source Unknown

VAN-A26E_CHO01B06 **Chopawamsic Creek** PRINCE WILLIAM CO, STAFFORD CO

Segment includes all Chopawamsic Creek tidal waters not included in other delineated segments.
Portion of CBP segment POTOH.

VA Overall AU Category: **5A**

Use	Impairment	0.38 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		20013	**2002**	**2014**	The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 4/19/99 and modified 12/13/04, limits consumption of American eel, bullhead catfish, channel catfish less than eighteen inches long, largemouth bass, anadromous (coastal) striped bass, sunfish species, smallmouth bass, white catfish, white perch, gizzard shad, and yellow perch consumption to no more than two meals per month. The advisory also restricts the consumption of carp and channel catfish greater than eighteen inches long. The affected area includes the tidal portions of the following tributaries and embayments from the I-395 bridge (above the Woodrow Wilson Bridge) to the Potomac River Bridge at Route 301: Fourmile Run, Hunting Creek, Little Hunting Creek, Pohick Creek, Accotink Creek, Occoquan River, Neabsco Creek, Powell Creek, Quantico Creek, Chopawamsic Creek, Aquia Creek, and Potomac Creek.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac River, Tidal (Chopawamsic Creek)**

TMDL Group ID: **20013**

VAN-A26E_CHO02A00	Chopawamsic Creek	PRINCE WILLIAM CO STAFFORD CO	Segment extends from approximately 0.5 rivermile upstream, until the end of the tidal waters, until 0.5 rivermile downstream of monitoring station 1ACHO003.65. Portion of CBP segment POTOH.

VA Overall AU Category: **5A**

Use	Impairment	0.12 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		20013	**2002**	**2014**	The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 4/19/99 and modified 12/13/04, limits consumption of American eel, bullhead catfish, channel catfish less than eighteen inches long, largemouth bass, anadromous (coastal) striped bass, sunfish species, smallmouth bass, white catfish, white perch, gizzard shad, and yellow perch consumption to no more than two meals per month. The advisory also restricts the consumption of carp and channel catfish greater than eighteen inches long. The affected area includes the tidal portions of the following tributaries and embayments from the I-395 bridge (above the Woodrow Wilson Bridge) to the Potomac River Bridge at Route 301: Fourmile Run, Hunting Creek, Little Hunting Creek, Pohick Creek, Accotink Creek, Occoquan River, Neabsco Creek, Powell Creek, Quantico Creek, Chopawamsic Creek, Aquia Creek, and Potomac Creek.

Sources: Source Unknown

TMDL Watershed Name: **Potomac River, Tidal (Dogue Creek)**

TMDL Group ID: **20003**

VAN-A14E_DOU01A00	Dogue Creek	FAIRFAX CO	Segment includes all tidal waters of Dogue Creek, extending from approximately rivermile 2.1 until the confluence with the Potomac River. Portion of CBP segment POTTF.

VA Overall AU Category: **5A**

Use	Impairment	0.74 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		20003	**2002**	**2014**	This segment is nested within the 20.3 square mile area (approximately) covered by a Virginia Department of Health (VDH) fish consumption advisory. The VDH fish consumption advisory for the Potomac River and VA tidal waters extends from Woodrow Wilson Bridge downstream (~33 miles) to Brent Point at mouth of Aquia Creek. Advise limited consumption of channel catfish due to PCB's. While this segment is not listed on any current fish consumption advisory, the former impairment remains. 2004 TMDL ID for this segment was VAN-A13E-01.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac River, Tidal (Fourmile Run)**

TMDL Group ID: **20000**

VAN-A12E_FOU01A00	Fourmile Run	ALEXANDRIA CITY ARLINGTON CO	Segment includes the tidal waters of Fourmile Run; from rivermile 1.46 downstream until the confluence with the Potomac River, at the state line. Portion of CBP segment POTTF.

VA Overall AU Category: **5A**

Use	Impairment	0.05 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		20000	**2002**	**2014**	The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 4/19/99 and modified 12/13/04, limits consumption of American eel, bullhead catfish, channel catfish less than eighteen inches long, largemouth bass, anadromous (coastal) striped bass, sunfish species, smallmouth bass, white catfish, white perch, gizzard shad, and yellow perch consumption to no more than two meals per month. The advisory also restricts the consumption of carp and channel catfish greater than eighteen inches long. The affected area includes the tidal portions of the following tributaries and embayments from the I-395 bridge (above the Woodrow Wilson Bridge) to the Potomac River Bridge at Route 301: Fourmile Run, Hunting Creek, Little Hunting Creek, Pohick Creek, Accotink Creek, Occoquan River, Neabsco Creek, Powell Creek, Quantico Creek, Chopawamsic Creek, Aquia Creek, and Potomac Creek.

Sources: Source Unknown

TMDL Watershed Name: **Potomac River, Tidal (Hooff Run)**

TMDL Group ID: **20001**

VAN-A13E_HFF01A06	Hooff Run	ALEXANDRIA CITY	Segment contains the tidal portion of Hooff Run; begins at the Alexandria National Cemetery and continues downstream until the confluence with Hunting Creek. Portion of CBP segment POTTF.

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		20001	**2006**	**2018**	The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 4/19/99 and modified 12/13/04, limits consumption of American eel, bullhead catfish, channel catfish less than eighteen inches long, largemouth bass, anadromous (coastal) striped bass, sunfish species, smallmouth bass, white catfish, white perch, gizzard shad, and yellow perch consumption to no more than two meals per month. The advisory also restricts the consumption of carp and channel catfish greater than eighteen inches long. The affected area includes the tidal portions of the following tributaries and embayments from the I-395 bridge (above the Woodrow Wilson Bridge) to the Potomac River Bridge at Route 301: Fourmile Run, Hunting Creek, Little Hunting Creek, Pohick Creek, Accotink Creek, Occoquan River, Neabsco Creek, Powell Creek, Quantico Creek, Chopawamsic Creek, Aquia Creek, and Potomac Creek.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac River, Tidal (Hunting Creek)**

TMDL Group ID: **20002**

VAN-A13E_HUT01A02	Hunting Creek/Potomac River/Belle Haven	ALEXANDRIA CITY FAIRFAX CO	Segment includes all tidal waters of Hunting Creek; beginning at the Route 241 (Telegraph Road) bridge crossing and continuing downstream until the confluence with the Potomac River, to include the embayment. Portion of CBP segment POTTF.

VA Overall AU Category: **5A**

Use	Impairment	1.36 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		20002	**2004**	**2014**	The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 4/19/99 and modified 12/13/04, limits consumption of American eel, bullhead catfish, channel catfish less than eighteen inches long, largemouth bass, anadromous (coastal) striped bass, sunfish species, smallmouth bass, white catfish, white perch, gizzard shad, and yellow perch consumption to no more than two meals per month. The advisory also restricts the consumption of carp and channel catfish greater than eighteen inches long. The affected area includes the tidal portions of the following tributaries and embayments from the I-395 bridge (above the Woodrow Wilson Bridge) to the Potomac River Bridge at Route 301: Fourmile Run, Hunting Creek, Little Hunting Creek, Pohick Creek, Accotink Creek, Occoquan River, Neabsco Creek, Powell Creek, Quantico Creek, Chopawamsic Creek, Aquia Creek, and Potomac Creek. Additionally, exceedances of the water quality criterion based tissue value (TV) of 54 parts per billion (ppb) for polychlorinated biphenyls (PCBs) in fish tissue were recorded in five species of fish samples collected in 2000 at monitoring station 1AHUT000.01 (channel catfish, white perch, American eel, and carp).

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac River, Tidal (Little Hunting Creek)**

TMDL Group ID: **20004**

VAN-A14E_LIF01A00	Little Hunting Creek	FAIRFAX CO	Segment includes all tidal waters of Little Hunting Creek, extending from approximately rivermile 1.7 downstream until the confluence with the Potomac River. Portion of CBP segment POTTF.

VA Overall AU Category: **5A**

Use	Impairment	0.25 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		20004	**2002**	**2014**	The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 4/19/99 and modified 12/13/04, limits consumption of American eel, bullhead catfish, channel catfish less than eighteen inches long, largemouth bass, anadromous (coastal) striped bass, sunfish species, smallmouth bass, white catfish, white perch, gizzard shad, and yellow perch consumption to no more than two meals per month. The advisory also restricts the consumption of carp and channel catfish greater than eighteen inches long. The affected area includes the tidal portions of the following tributaries and embayments from the I-395 bridge (above the Woodrow Wilson Bridge) to the Potomac River Bridge at Route 301: Fourmile Run, Hunting Creek, Little Hunting Creek, Pohick Creek, Accotink Creek, Occoquan River, Neabsco Creek, Powell Creek, Quantico Creek, Chopawamsic Creek, Aquia Creek, and Potomac Creek. Additionally, exceedances of the water quality criterion based tissue value (TV) of 54 parts per billion (ppb) for polychlorinated biphenyls (PCBs) in fish tissue were recorded in five species of fish samples collected in 2000 at monitoring station 1ALIF000.19 (largemouth bass, channel catfish, white perch, American eel, and carp).

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac River, Tidal (Neabsco Creek)**

TMDL Group ID: **20007**

VAN-A25E_NEA01A00 **Neabsco Bay** PRINCE WILLIAM CO

Segment includes the tidal waters of Neabsco Bay downstream until the confluence with Occoquan Bay.
Portion of CBP segment POTTF.

VA Overall AU Category: **5A**

Use	Impairment	0.80 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		20007	**2002**	**2014**	The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 4/19/99 and modified 12/13/04, limits consumption of American eel, bullhead catfish, channel catfish less than eighteen inches long, largemouth bass, anadromous (coastal) striped bass, sunfish species, smallmouth bass, white catfish, white perch, gizzard shad, and yellow perch consumption to no more than two meals per month. The advisory also restricts the consumption of carp and channel catfish greater than eighteen inches long. The affected area includes the tidal portions of the following tributaries and embayments from the I-395 bridge (above the Woodrow Wilson Bridge) to the Potomac River Bridge at Route 301: Fourmile Run, Hunting Creek, Little Hunting Creek, Pohick Creek, Accotink Creek, Occoquan River, Neabsco Creek, Powell Creek, Quantico Creek, Chopawamsic Creek, Aquia Creek, and Potomac Creek. Additionally, fish tissue data revealed exceedances of the water quality criterion based tissue value (TV) of 54 parts per billion (ppb) for polychlorinated biphenyls (PCBs) in five species at station 1ANEA000.57 in 2000 (largemouth bass, carp, channel catfish, white catfish, and American eel).

Sources: Source Unknown

VAN-A25E_NEA20A02 **Neabsco Creek** PRINCE WILLIAM CO

Segment begins at the upstream limit of the tidal waters on Neabsco Creek and continues downstream until the start of the open waters of Neabsco Bay, approximately 0.5 rivermile upstream from monitoring station 1ANEA000.57. Portion of CBP segment POTTF.

VA Overall AU Category: **5A**

Use	Impairment	0.23 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		20007	**2002**	**2014**	The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 4/19/99 and modified 12/13/04, limits consumption of American eel, bullhead catfish, channel catfish less than eighteen inches long, largemouth bass, anadromous (coastal) striped bass, sunfish species, smallmouth bass, white catfish, white perch, gizzard shad, and yellow perch consumption to no more than two meals per month. The advisory also restricts the consumption of carp and channel catfish greater than eighteen inches long. The affected area includes the tidal portions of the following tributaries and embayments from the I-395 bridge (above the Woodrow Wilson Bridge) to the Potomac River Bridge at Route 301: Fourmile Run, Hunting Creek, Little Hunting Creek, Pohick Creek, Accotink Creek, Occoquan River, Neabsco Creek, Powell Creek, Quantico Creek, Chopawamsic Creek, Aquia Creek, and Potomac Creek.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac River, Tidal (Occoquan River)**

TMDL Group ID: **20008**

VAN-A25E_OCC01A04 **Occoquan Bay** FAIRFAX CO, PRINCE WILLIAM CO

Segment extends 0.5 mile around the Coastal 2000 monitoring station 1AOCC000.06. The downstream limit is the state line at the Potomac River. Portion of CBP segment POTTF.

VA Overall AU Category: **5A**

Use	Impairment	0.48 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		20008	**2002**	**2014**	The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 4/19/99 and modified 12/13/04, limits consumption of American eel, bullhead catfish, channel catfish less than eighteen inches long, largemouth bass, anadromous (coastal) striped bass, sunfish species, smallmouth bass, white catfish, white perch, gizzard shad, and yellow perch consumption to no more than two meals per month. The advisory also restricts the consumption of carp and channel catfish greater than eighteen inches long. The affected area includes the tidal portions of the following tributaries and embayments from the I-395 bridge (above the Woodrow Wilson Bridge) to the Potomac River Bridge at Route 301: Fourmile Run, Hunting Creek, Little Hunting Creek, Pohick Creek, Accotink Creek, Occoquan River, Neabsco Creek, Powell Creek, Quantico Creek, Chopawamsic Creek, Aquia Creek, and Potomac Creek.

Sources: Source Unknown

VAN-A25E_OCC02A00 **Occoquan Bay** FAIRFAX CO, PRINCE WILLIAM CO

Segment extends 0.5 mile around the around the monitoring station 1AOCC002.47.
Portion of CBP segment POTTF.

VA Overall AU Category: **5A**

Use	Impairment	0.59 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		20008	**2002**	**2014**	The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 4/19/99 and modified 12/13/04, limits consumption of American eel, bullhead catfish, channel catfish less than eighteen inches long, largemouth bass, anadromous (coastal) striped bass, sunfish species, smallmouth bass, white catfish, white perch, gizzard shad, and yellow perch consumption to no more than two meals per month. The advisory also restricts the consumption of carp and channel catfish greater than eighteen inches long. The affected area includes the tidal portions of the following tributaries and embayments from the I-395 bridge (above the Woodrow Wilson Bridge) to the Potomac River Bridge at Route 301: Fourmile Run, Hunting Creek, Little Hunting Creek, Pohick Creek, Accotink Creek, Occoquan River, Neabsco Creek, Powell Creek, Quantico Creek, Chopawamsic Creek, Aquia Creek, and Potomac Creek. Additionally, fish tissue data revealed exceedances of the water quality criterion based tissue value (TV) of 54 parts per billion (ppb) for polychlorinated biphenyls (PCBs) in five species of fish tissue (striped bass, largemouth bass, carp, white perch, and channel catfish) in 2001 and in four species/five samples of fish tissue (carp, channel catfish, largemouth bass, and white perch) in 2004.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac River, Tidal (Occoquan River)**

TMDL Group ID: **20008**

VAN-A25E_OCC03A04 **Belmont Bay (Occoquan River)** FAIRFAX CO

Segment extends 0.5 mile around Coastal 2000 monitoring station 1AOCC002.62.
Portion of CBP segment POTTF.

VA Overall AU Category: **5A**

Use	Impairment	0.39 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		20008	**2002**	**2014**	The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 4/19/99 and modified 12/13/04, limits consumption of American eel, bullhead catfish, channel catfish less than eighteen inches long, largemouth bass, anadromous (coastal) striped bass, sunfish species, smallmouth bass, white catfish, white perch, gizzard shad, and yellow perch consumption to no more than two meals per month. The advisory also restricts the consumption of carp and channel catfish greater than eighteen inches long. The affected area includes the tidal portions of the following tributaries and embayments from the I-395 bridge (above the Woodrow Wilson Bridge) to the Potomac River Bridge at Route 301: Fourmile Run, Hunting Creek, Little Hunting Creek, Pohick Creek, Accotink Creek, Occoquan River, Neabsco Creek, Powell Creek, Quantico Creek, Chopawamsic Creek, Aquia Creek, and Potomac Creek.

Sources: Source Unknown

VAN-A25E_OCC04A02 **Belmont Bay** FAIRFAX CO

Segment extends 0.5 mile around the monitoring station 1AOCC-766-ALL (coordinates 38.647, -77.195).
Portion of CBP segment POTTF.

VA Overall AU Category: **5A**

Use	Impairment	0.42 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		20008	**2002**	**2014**	The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 4/19/99 and modified 12/13/04, limits consumption of American eel, bullhead catfish, channel catfish less than eighteen inches long, largemouth bass, anadromous (coastal) striped bass, sunfish species, smallmouth bass, white catfish, white perch, gizzard shad, and yellow perch consumption to no more than two meals per month. The advisory also restricts the consumption of carp and channel catfish greater than eighteen inches long. The affected area includes the tidal portions of the following tributaries and embayments from the I-395 bridge (above the Woodrow Wilson Bridge) to the Potomac River Bridge at Route 301: Fourmile Run, Hunting Creek, Little Hunting Creek, Pohick Creek, Accotink Creek, Occoquan River, Neabsco Creek, Powell Creek, Quantico Creek, Chopawamsic Creek, Aquia Creek, and Potomac Creek.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac River, Tidal (Occoquan River)**

TMDL Group ID: **20008**

VAN-A25E_OCC05A02	Occoquan River	FAIRFAX CO PRINCE WILLIAM CO	Segment extends from 0.5 rivermile upstream until 0.5 rivermile downstream of monitoring station 1AOCC006.71. Portion of CBP segment POTTF.

VA Overall AU Category: **5A**

Use	Impairment	0.05 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		20008	**2002**	**2014**	The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 4/19/99 and modified 12/13/04, limits consumption of American eel, bullhead catfish, channel catfish less than eighteen inches long, largemouth bass, anadromous (coastal) striped bass, sunfish species, smallmouth bass, white catfish, white perch, gizzard shad, and yellow perch consumption to no more than two meals per month. The advisory also restricts the consumption of carp and channel catfish greater than eighteen inches long. The affected area includes the tidal portions of the following tributaries and embayments from the I-395 bridge (above the Woodrow Wilson Bridge) to the Potomac River Bridge at Route 301: Fourmile Run, Hunting Creek, Little Hunting Creek, Pohick Creek, Accotink Creek, Occoquan River, Neabsco Creek, Powell Creek, Quantico Creek, Chopawamsic Creek, Aquia Creek, and Potomac Creek.

Sources: Source Unknown

VAN-A25E_OCC20A02	Occoquan Bay/Belmont Bay	FAIRFAX CO PRINCE WILLIAM CO	Segment includes all waters of the Occoquan and Belmont Bays not included in other delineated segments. Portion of CBP segment POTTF.

VA Overall AU Category: **5A**

Use	Impairment	5.39 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		20008	**2002**	**2014**	The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 4/19/99 and modified 12/13/04, limits consumption of American eel, bullhead catfish, channel catfish less than eighteen inches long, largemouth bass, anadromous (coastal) striped bass, sunfish species, smallmouth bass, white catfish, white perch, gizzard shad, and yellow perch consumption to no more than two meals per month. The advisory also restricts the consumption of carp and channel catfish greater than eighteen inches long. The affected area includes the tidal portions of the following tributaries and embayments from the I-395 bridge (above the Woodrow Wilson Bridge) to the Potomac River Bridge at Route 301: Fourmile Run, Hunting Creek, Little Hunting Creek, Pohick Creek, Accotink Creek, Occoquan River, Neabsco Creek, Powell Creek, Quantico Creek, Chopawamsic Creek, Aquia Creek, and Potomac Creek.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac River, Tidal (Occoquan River)**

TMDL Group ID: **20008**

VAN-A25E_POT20A02	Occoquan Bay/Belmont Bay	FAIRFAX CO PRINCE WILLIAM CO	Segment includes all tidal waters in watershed not included in other delineated stream segments. Portion of CBP segment POTTF.

VA Overall AU Category: **5A**

Use	Impairment	0.24 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		20008	**2002**	**2014**	The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 4/19/99 and modified 12/13/04, limits consumption of American eel, bullhead catfish, channel catfish less than eighteen inches long, largemouth bass, anadromous (coastal) striped bass, sunfish species, smallmouth bass, white catfish, white perch, gizzard shad, and yellow perch consumption to no more than two meals per month. The advisory also restricts the consumption of carp and channel catfish greater than eighteen inches long. The affected area includes the tidal portions of the following tributaries and embayments from the I-395 bridge (above the Woodrow Wilson Bridge) to the Potomac River Bridge at Route 301: Fourmile Run, Hunting Creek, Little Hunting Creek, Pohick Creek, Accotink Creek, Occoquan River, Neabsco Creek, Powell Creek, Quantico Creek, Chopawamsic Creek, Aquia Creek, and Potomac Creek.

Sources: Source Unknown

TMDL Watershed Name: **Potomac River, Tidal (Pohick Creek)**

TMDL Group ID: **20006**

VAN-A15E_POH01A00	Gunston Cove	FAIRFAX CO	Segment extends from rivermile 1.31 in Gunston Cove until the confluence with the Potomac River. Portion of CBP segment POTTF.

VA Overall AU Category: **5A**

Use	Impairment	1.51 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		20006	**2002**	**2014**	The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 4/19/99 and modified 12/13/04, limits consumption of American eel, bullhead catfish, channel catfish less than eighteen inches long, largemouth bass, anadromous (coastal) striped bass, sunfish species, smallmouth bass, white catfish, white perch, gizzard shad, and yellow perch consumption to no more than two meals per month. The advisory also restricts the consumption of carp and channel catfish greater than eighteen inches long. The affected area includes the tidal portions of the following tributaries and embayments from the I-395 bridge (above the Woodrow Wilson Bridge) to the Potomac River Bridge at Route 301: Fourmile Run, Hunting Creek, Little Hunting Creek, Pohick Creek, Accotink Creek, Occoquan River, Neabsco Creek, Powell Creek, Quantico Creek, Chopawamsic Creek, Aquia Creek, and Potomac Creek.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac River, Tidal (Pohick Creek)**

TMDL Group ID: **20006**

VAN-A15E_POH02A00 **Pohick Bay** FAIRFAX CO

Segment includes tidal waters of Pohick Creek, from the boundary of watershed A15, and extends until rivermile 1.31 in Gunston Cove.
Portion of CBP segment POTTF.

VA Overall AU Category: **5A**

Use	Impairment	0.61 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		20006	**2002**	**2014**	The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 4/19/99 and modified 12/13/04, limits consumption of American eel, bullhead catfish, channel catfish less than eighteen inches long, largemouth bass, anadromous (coastal) striped bass, sunfish species, smallmouth bass, white catfish, white perch, gizzard shad, and yellow perch consumption to no more than two meals per month. The advisory also restricts the consumption of carp and channel catfish greater than eighteen inches long. The affected area includes the tidal portions of the following tributaries and embayments from the I-395 bridge (above the Woodrow Wilson Bridge) to the Potomac River Bridge at Route 301: Fourmile Run, Hunting Creek, Little Hunting Creek, Pohick Creek, Accotink Creek, Occoquan River, Neabsco Creek, Powell Creek, Quantico Creek, Chopawamsic Creek, Aquia Creek, and Potomac Creek. Additionally, exceedances of the water quality criterion based tissue value (TV) of 54 parts per billion (ppb) for polychlorinated biphenyls (PCBs) in fish tissue were recorded in three species in 2000 (largemouth bass, carp, channel catfish).

Sources: Source Unknown

VAN-A16E_POH01A06 **Pohick Bay** FAIRFAX CO

Segment includes tidal waters of Pohick Creek upstream from the boundary of watershed A16.
Portion of CBP segment POTTF.

VA Overall AU Category: **5A**

Use	Impairment	0.29 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		20006	**2002**	**2014**	The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 4/19/99 and modified 12/13/04, limits consumption of American eel, bullhead catfish, channel catfish less than eighteen inches long, largemouth bass, anadromous (coastal) striped bass, sunfish species, smallmouth bass, white catfish, white perch, gizzard shad, and yellow perch consumption to no more than two meals per month. The advisory also restricts the consumption of carp and channel catfish greater than eighteen inches long. The affected area includes the tidal portions of the following tributaries and embayments from the I-395 bridge (above the Woodrow Wilson Bridge) to the Potomac River Bridge at Route 301: Fourmile Run, Hunting Creek, Little Hunting Creek, Pohick Creek, Accotink Creek, Occoquan River, Neabsco Creek, Powell Creek, Quantico Creek, Chopawamsic Creek, Aquia Creek, and Potomac Creek. Additionally, exceedances of the water quality criterion based tissue value (TV) of 54 parts per billion (ppb) for polychlorinated biphenyls (PCBs) in fish tissue were recorded in three species in 2000 (largemouth bass, carp, channel catfish).

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Potomac River, Tidal (Pohick Creek)**

TMDL Group ID: **20006**

VAN-A16R_POH01A00	Pohick Creek	FAIRFAX CO	Segment begins at the confluence with South Run, approximately 0.25 rivermile upstream from I-95, and continues downstream until the end of the free-flowing portion of Pohick Creek.

VA Overall AU Category: **5A**

Use	Impairment	3.20 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		20006	**2002**	**2014**	DEQ fish tissue/sediment station 1APOH004.79 was sampled in 1996. The fish consumption impairment remains, even though the data is from outside the assessment period. The fish consumption impairment is due to exceedances of the water quality criterion based tissue value (TV) of 54 parts per billion (ppb) for polychlorinated biphenyls (PCBs) in fish tissue. Exceedance of the TV for PCB's was recorded in two species (bullhead catfish, white perch) in 1996.

Sources: Source Unknown

TMDL Watershed Name: **Potomac Run**

TMDL Group ID: **60073**

VAN-A29R_POR01A06	Potomac Run	STAFFORD CO	Segment begins at the headwaters of Potomac Run and continues downstream until the confluence with Long Branch.

VA Overall AU Category: **5A**

Use	Impairment	6.22 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		60073	**2006**	**2018**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (8 of 8 samples - 100%) were recorded at DEQ's ambient water quality monitoring station (1APOR000.40) at the Route 648 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sources: Source Unknown

TMDL Watershed Name: **Powells Creek**

TMDL Group ID: **00807**

VAN-A26R_POW01A00	Powells Creek	PRINCE WILLIAM CO	Segment begins approximately 0.2 rivermiles below Lake Montclair and continues downstream until the end of the free-flowing waters of Powells Creek, at rivermile 2.18.

VA Overall AU Category: **5A**

Use	Impairment	5.02 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**Benzo[k]fluoranthene**		00807	**2002**	**2014**	This segment remains on the impaired waters list for the fish consumption use because of the 1996 fish tissue data. Exceedances of the water quality standard criterion based tissue value (TV) of 15 ppb for benzo(k)fluoranthene in fish tissue were recorded during a 1996 sampling event. Exceedances of the TV for benzo(k)fluoranthene were recorded in two species (largemouth bass and sunfish).

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Powells Creek**

TMDL Group ID: **00808**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAN-A26R_POW01A00	**Powells Creek**	PRINCE WILLIAM CO	Segment begins approximately 0.2 rivermiles below Lake Montclair and continues downstream until the end of the free-flowing waters of Powells Creek, at rivermile 2.18.

VA Overall AU Category: **5A**

Use	Impairment	5.02 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00808	**2006**	**2014**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (2 of 7 samples - 28.6%) were recorded at DEQ's ambient water quality monitoring station (1APOW006.11) at Northgate Drive to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. The segment was previously listed for a fecal coliform bacteria impairment, beginning in 2002.

Sources: Source Unknown

TMDL Watershed Name: **Presley Creek**

TMDL Group ID: **00941**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-A34E_PRE01A98	**Presley Creek**	NORTHUMBERLAND CO	Described in the condemnation notice 140, 4/27/1989 Sq. mileage adjusted during 2006 cycle, though area did not change POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.30 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		00941	**1998**	**2010**	VAP-A34E-09 VDH-DSS condemnation 140, 4/13/1989

Sources: Source Unknown

TMDL Watershed Name: **Pugh's Run**

TMDL Group ID: **01643**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAV-B50R_PGH01A00	**Pugh's Run**	SHENANDOAH CO	Pugh's Run from the headwaters downstream to its confluence with the North Fork Shenandoah River.

VA Overall AU Category: **5A**

Use	Impairment	5.86 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		01643	**2004**	**2016**	

Sources: Non-Point Source
Wildlife Other than Waterfowl

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Purcell Branch**

TMDL Group ID: **60056**

VAN-A20R_PUR01A06	Purcell Branch	PRINCE WILLIAM CO	Segment begins at the headwaters of Purcell Branch, near Woodbine School, and continues downstream until the confluence with the Occoquan Reservoir, at rivermile 23.23.

VA Overall AU Category: **5A**

Use	Impairment	3.16 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		60056	**2006**	**2018**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (4 of 7 samples - 57.1%) were recorded at DEQ's ambient water quality monitoring station (1APUR001.20) at the Route 643 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sources: Source Unknown

TMDL Watershed Name: **Quail Run**

TMDL Group ID: **00107**

VAV-B35R_QAL01A00	Quail Run	ROCKINGHAM CO	Quail Run from the Bloomer Springs Road bridge downstream to its confluence with Boone Run.

VA Overall AU Category: **5D**

Use	Impairment	4.18 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		00107	**1998**	**2003**	Category 4A - Federal TMDL ID # 20863 & 20864

Sources: Municipal Point Source Discharges

VAV-B35R_QAL02A00	Quail Run	ROCKINGHAM CO	Quail Run from the Massanutten STP discharge downstream to the Bloomer Springs Road bridge.

VA Overall AU Category: **5D**

Use	Impairment	0.70 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		00107	**1998**	**2003**	Category 4A - Federal TMDL ID # 20863 & 20864

Sources: Municipal Point Source Discharges

TMDL Group ID: **00666**

VAV-B35R_QAL01A00	Quail Run	ROCKINGHAM CO	Quail Run from the Bloomer Springs Road bridge downstream to its confluence with Boone Run.

VA Overall AU Category: **5D**

Use	Impairment	4.18 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		00666	**2004**	**2016**	

Sources: Non-Point Source
Wildlife Other than Waterfowl

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Quail Run**

TMDL Group ID: **00666**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAV-B35R_QAL02A00	**Quail Run**	ROCKINGHAM CO	Quail Run from the Massanutten STP discharge downstream to the Bloomer Springs Road bridge.

VA Overall AU Category: **5D**

Use	Impairment	0.70 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		00666	**2004**	**2016**	

Sources: Non-Point Source
Wildlife Other than Waterfowl

TMDL Group ID: **01621**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAV-B35R_QAL03A00	**Quail Run**	ROCKINGHAM CO	Quail Run from the headwaters downstream to the Massanutten STP discharge.

VA Overall AU Category: **5C**

Use	Impairment	1.32 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		01621	**2002**	**2014**	The Impairment is due to drought conditions.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

TMDL Watershed Name: **Quantico Creek**

TMDL Group ID: **00577**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAN-A26R_QUA01A00	**Quantico Creek**	PRINCE WILLIAM CO	Segment begins at the confluence with South Fork Quantico Creek, approximately 0.75 rivermile upstream from I-95, and continues downstream until the start of the tidal waters of Quantico Bay.

VA Overall AU Category: **5A**

Use	Impairment	1.29 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		00577	**2002**	**2014**	

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Quantico Creek**

TMDL Group ID: **00809**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAN-A26R_QUA01A00	**Quantico Creek**	PRINCE WILLIAM CO	Segment begins at the confluence with South Fork Quantico Creek, approximately 0.75 rivermile upstream from I-95, and continues downstream until the start of the tidal waters of Quantico Bay.

VA Overall AU Category: **5A**

Use	Impairment	1.29 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00809	**2006**	**2016**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (3 of 9 samples - 33.3%) were recorded at DEQ's ambient water quality monitoring station (1AQUA004.46) at the Route One Business bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.
		Sources: Source Unknown				
Recreation	**Fecal Coliform**		00809	**2004**	**2016**	Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (5 of 27 samples - 18.5%) were recorded at DEQ's ambient water quality monitoring station (1AQUA004.46) at the Route One Business bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.
		Sources: Source Unknown				

TMDL Group ID: **60109**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAN-A26E_QUA01A04	**Quantico Creek**	PRINCE WILLIAM CO	Segment extends to a 0.5-mile radius around station 1AQUA001.09. Portion of CBP segment POTTF.

VA Overall AU Category: **5A**

Use	Impairment	0.43 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Estuarine Bioassessments**		60109	**2006**	**2018**	Based on the Coastal 2000 weight of evidence analysis, utilizing bulk chemical data, toxicity test data, and an evaluation of benthic community conditions. Conclusions noted that organic enrichment, as well as chemical contamination, may be responsible for the impairment. The survey revealed low diversity of benthic faunal taxa.
		Sources: Source Unknown				

TMDL Group ID: **60112**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAN-A26E_QUA01A04	**Quantico Creek**	PRINCE WILLIAM CO	Segment extends to a 0.5-mile radius around station 1AQUA001.09. Portion of CBP segment POTTF.

VA Overall AU Category: **5A**

Use	Impairment	0.43 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Sediment Bioassays for Estuarine and Marine Water**		60112	**2006**	**2018**	Based on the Coastal 2000 weight of evidence analysis, utilizing bulk chemical data, toxicity test data, and an evaluation of benthic community conditions. Conclusions noted that organic enrichment, as well as chemical contamination, may be responsible for the impairment. The acute bioassay revealed slight, yet significant, toxicity.
		Sources: Source Unknown				

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Quantico Creek, South Fork**

TMDL Group ID: **00810**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAN-A26R_SOQ01B02	**South Fork Quantico Creek**	PRINCE WILLIAM CO	Segment begins at the headwaters of the South Fork Quantico Creek and continues downstream until the start of the impounded waters, adjacent to what is labeled as Mawavi Camp No 2 on the Joplin quad.

VA Overall AU Category: **5A**

Use	Impairment	4.64 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00810	**2004**	**2016**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (7 of 56 samples - 12.5%) were recorded at USGS station 01658500 to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sources: Source Unknown

TMDL Watershed Name: **Redbud Run**

TMDL Group ID: **97005**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAV-B09R_RED01A00	**Redbud Run**	FREDERICK CO	Redbud Run and tributary from its headwaters downstream to its confluence with Opequon Creek.

VA Overall AU Category: **5D**

Use	Impairment	8.02 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		97005	**2004**	**2004**	Category 4A - Federal TMDL ID # 20941

Sources: Source Unknown

TMDL Group ID: **97006**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAV-B09R_RED01A00	**Redbud Run**	FREDERICK CO	Redbud Run and tributary from its headwaters downstream to its confluence with Opequon Creek.

VA Overall AU Category: **5D**

Use	Impairment	8.02 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		97006	**2004**	**2016**	

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Rocky Branch**

TMDL Group ID: **01042**

VAV-B39R_RKB01A00	Rocky Branch	PAGE CO	Rocky Branch from the headwaters downstream to its confluence with Pass Run.

VA Overall AU Category: **5A**

Use	Impairment	4.17 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		01042	**2004**	**2016**	

Sources: Atmospheric Deposition - Acidity

TMDL Watershed Name: **Rocky Run**

TMDL Group ID: **50055**

VAV-B18R_ROB01A02	Rocky Run	ROCKINGHAM CO	Rocky Run from the headwaters downstream to its confluence with Briery Branch.

VA Overall AU Category: **5A**

Use	Impairment	1.92 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		50055	**2006**	**2018**	Newly listed for pH in 2006.

Sources: Atmospheric Deposition - Acidity

TMDL Watershed Name: **Rogers Creek**

TMDL Group ID: **00942**

VAP-A34E_ROG01A98	Rogers Creek	NORTHUMBERLAND CO	Described in the condemnation notice 009-142D, 12/22/2004. Sq. mileage adjusted in 2006, although area did not change POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		00942	**1998**	**2010**	VAP-A34E-13 VDH-DSS condemnation 009-142D, 12/22/2004

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Rosier Creek**

TMDL Group ID: **00906**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-A31E_ROS01A98	**Rosier Creek**	WESTMORELAND CO	Described in VDH condemnation notice 088A, 9/22/2004. Segment expanded in 2006 POTMH

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**	0.30	SQUARE MILES	00906	**1998**	**2010**	VAP-A31E-01 VDH Shellfish Condemnation 001-008A, 9/22/2004

Sources: Source Unknown

TMDL Watershed Name: **Shannon Branch**

TMDL Group ID: **10055**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-A33E_SHA01A98	**Shannon Branch**	WESTMORELAND CO	Described in the condemnation notice 007-028A, 07/21/2004. POTMH

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**	0.13	SQUARE MILES	10055	**2006**	**2018**	VAP-A33E-12 VDH-DSS Condemnation 007-028A, 07/21/2004

Sources: Source Unknown

TMDL Watershed Name: **Shenandoah River PCB**

TMDL Group ID: **00104**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAV-B41R_SSF01A00	**South Fork Shenandoah River**	WARREN CO	South Fork Shenandoah River from its confluence with Cabin Run downstream to its confluence with the North Fork Shenandoah River.

VA Overall AU Category: **5D**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	1.74	MILES	00104	**1998**	**2002**	Category 4A - Federal TMDL ID # 7715

Sources: Contaminated Sediments

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Shenandoah River PCB**

TMDL Group ID: **00104**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAV-B41R_SSF02A00	**South Fork Shenandoah River**	WARREN CO	South Fork Shenandoah River from the Rivermont Drive Bridge downstream to its confluence with Cabin Run.

VA Overall AU Category: **5D**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.61 MILES	00104	**1998**	**2002**	Category 4A - Federal TMDL ID # 7715

Sources: Contaminated Sediments

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAV-B51R_NFS01A00	**North Fork Shenandoah River**	WARREN CO	North Fork Shenandoah River from the dam at the boat ramp downstream to its confluence with the South Fork Shenandoah River.

VA Overall AU Category: **5D**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.67 MILES	00104	**1998**	**2002**	Category 4A - Federal TMDL ID # 7715

Sources: Contaminated Sediments

TMDL Group ID: **00191**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAV-B55R_SHN02A00	**Shenandoah River**	WARREN CO	Shenandoah River from the confluence of the North and South Fork's downstream to the power plant dam near Front Royal.

VA Overall AU Category: **5D**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	3.54 MILES	00191	**1998**	**2002**	Category 4A - Federal TMDL ID # 7715

Sources: Contaminated Sediments

TMDL Watershed Name: **Shenandoah River, North Fork**

TMDL Group ID: **00240**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAV-B45R_NFS01A00	**North Fork Shenandoah River**	SHENANDOAH CO	North Fork Shenandoah River from its confluence with Holmans Creek downstream to its confluence with Smith Creek.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	3.53 MILES	00240	**1996**	**2010**	

Sources: Non-Point Source
Wildlife Other than Waterfowl

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Shenandoah River, North Fork**

TMDL Group ID: **00240**

VAV-B45R_NFS02A00 — **North Fork Shenandoah River** — ROCKINGHAM CO, SHENANDOAH CO — North Fork Shenandoah River from its confluence with Linville Creek downstream to its confluence with Holmans Creek.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	13.59 MILES	00240	**1996**	**2010**	

Sources: Non-Point Source
Wildlife Other than Waterfowl

VAV-B45R_NFS03A00 — **North Fork Shenandoah River** — ROCKINGHAM CO — North Fork Shenandoah River from its confluence with Turley Creek downstream to its confluence with Linville Creek.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	2.89 MILES	00240	**1996**	**2010**	

Sources: Non-Point Source
Wildlife Other than Waterfowl

VAV-B48R_NFS01A00 — **North Fork Shenandoah River** — SHENANDOAH CO — North Fork Shenandoah River from its confluence with Smith Creek downstream to its confluence with Stony Creek.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	11.84 MILES	00240	**1996**	**2010**	

Sources: Non-Point Source
Wildlife Other than Waterfowl

TMDL Watershed Name: **Shenandoah River, South Fork**

TMDL Group ID: **00402**

VAV-B33R_SSF01A00 — **South Fork Shenandoah River** — ROCKINGHAM CO — South Fork Shenandoah River from its confluence with the North & South Rivers downstream to its confluence with Big Run.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**	9.45 MILES	00402	**1998**	**2010**	

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Shenandoah River, South Fork**

TMDL Group ID: **00402**

VAV-B35R_SSF01A00 **South Fork Shenandoah River** ROCKINGHAM CO

South Fork Shenandoah River from its confluence with Big Run downstream to its confluence with Naked Creek.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**	15.17 MILES	00402	**1998**	**2010**	

Sources: Source Unknown

VAV-B37R_SSF01A00 **S.F. Shenandoah River** PAGE CO ROCKINGHAM CO

South Fork Shenandoah River from its confluence with Naked Creek downstream to its confluence with Stoney Run just above the Route 340 bridge at Alma.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**	18.28 MILES	00402	**1998**	**2010**	

Sources: Source Unknown

VAV-B38R_SSF01A00 **South Fork Shenandoah River** PAGE CO

South Fork Shenandoah River from its confluence with Stoney Run just above the Route 340 bridge at Alma downstream to its confluence with Hawksbill Creek.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**	16.09 MILES	00402	**1998**	**2010**	

Sources: Source Unknown

TMDL Group ID: **00403**

VAV-B33R_SSF01A00 **South Fork Shenandoah River** ROCKINGHAM CO

South Fork Shenandoah River from its confluence with the North & South Rivers downstream to its confluence with Big Run.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	9.45 MILES	00403	**2002**	**2010**	

Sources: Non-Point Source
Wildlife Other than Waterfowl

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Shenandoah River, South Fork**

TMDL Group ID: **00403**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAV-B35R_SSF01A00	**South Fork Shenandoah River**	ROCKINGHAM CO	South Fork Shenandoah River from its confluence with Big Run downstream to its confluence with Naked Creek.

VA Overall AU Category: **5A**

Use	Impairment	Impairment	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	15.17 MILES	00403	**2002**	**2010**	

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAV-B37R_SSF01A00	**S.F. Shenandoah River**	PAGE CO ROCKINGHAM CO	South Fork Shenandoah River from its confluence with Naked Creek downstream to its confluence with Stoney Run just above the Route 340 bridge at Alma.

VA Overall AU Category: **5A**

Use	Impairment	Impairment	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	18.28 MILES	00403	**2002**	**2010**	

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAV-B38R_SSF01A00	**South Fork Shenandoah River**	PAGE CO	South Fork Shenandoah River from its confluence with Stoney Run just above the Route 340 bridge at Alma downstream to its confluence with Hawksbill Creek.

VA Overall AU Category: **5A**

Use	Impairment	Impairment	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	16.09 MILES	00403	**2002**	**2010**	

Sources: Source Unknown
Wildlife Other than Waterfowl

TMDL Watershed Name: **Snakeden Branch**

TMDL Group ID: **60019**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAN-A11R_SNA01A02	**Snakeden Branch**	FAIRFAX CO	Segment begins at the confluence with an unnamed tributary to Snakeden Branch, approximately 0.4 rivermile downstream from the Twin Branches Road bridge, and continues downstream until the confluence with Difficult Run.

VA Overall AU Category: **5A**

Use	Impairment	Impairment	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	0.79 MILES	60019	**2006**	**2018**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (2 of 8 samples - 25.0%) were recorded at DEQ's ambient water quality monitoring station (1ASNA000.21) at the Route 677 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **South River**

TMDL Group ID: **00400**

VAV-B32R_STH03A04	South River	AUGUSTA CO WAYNESBORO CITY	South River from the INVISTA discharge downstream to its confluence with Sawmill Run.

VA Overall AU Category: **5A**

Use	Impairment	5.44 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		00400	**1996**	**2010**	

Sources: Municipal (Urbanized High Density Area)

TMDL Watershed Name: **South River, Lower**

TMDL Group ID: **01617**

VAV-B32R_STH01A04	South River	AUGUSTA CO ROCKINGHAM CO	South River from its confluence with Stull Run downstream to its confluence with North River.

VA Overall AU Category: **5A**

Use	Impairment	5.32 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		01617	**1996**	**2010**	

Sources: Non-Point Source
Wildlife Other than Waterfowl

VAV-B32R_STH02A04	South River	AUGUSTA CO	South River from its confluence with Sawmill Run downstream to ifs confluence with Stull Run.

VA Overall AU Category: **5A**

Use	Impairment	13.95 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		01617	**2006**	**2010**	Newly listed for e-coli in 2006. Already impaired based on fecal coliform.

Sources: Non-Point Source
Wildlife Other than Waterfowl

Recreation	**Fecal Coliform**		01617	**1996**	**2010**	

Sources: Non-Point Source
Wildlife Other than Waterfowl

VAV-B32R_STH03A04	South River	AUGUSTA CO WAYNESBORO CITY	South River from the INVISTA discharge downstream to its confluence with Sawmill Run.

VA Overall AU Category: **5A**

Use	Impairment	5.44 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		01617	**1996**	**2010**	

Sources: Non-Point Source
Wildlife Other than Waterfowl

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **South River, Lower**

TMDL Group ID: **01617**

VAV-B32R_STH04A04 — **South River** — WAYNESBORO CITY — South River from its confluence with Coiner Spring intermittant run downstream to the INVISTA discharge.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	2.01 MILES	01617	**2006**	**2014**	Newly listed for bacteria in 2006.

Sources: Non-Point Source

VAV-B32R_STH05A04 — **South River** — AUGUSTA CO, WAYNESBORO CITY — South River from its confluence with Back Creek downstream to its confluence with Coiner Spring intermittant run.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	2.95 MILES	01617	**2006**	**2014**	Newly listed for bacteria in 2006.

Sources: Non-Point Source

TMDL Watershed Name: **South River/South Fork Shenandoah River Hg**

TMDL Group ID: **00541**

VAV-B32R_STH01A04 — **South River** — AUGUSTA CO, ROCKINGHAM CO — South River from its confluence with Stull Run downstream to its confluence with North River.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**Mercury in Fish Tissue**	5.32 MILES	00541	**1998**	**2010**	

Sources: Contaminated Sediments

VAV-B32R_STH02A04 — **South River** — AUGUSTA CO — South River from its confluence with Sawmill Run downstream to ifs confluence with Stull Run.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**Mercury in Fish Tissue**	13.95 MILES	00541	**1998**	**2010**	

Sources: Contaminated Sediments

VAV-B32R_STH03A04 — **South River** — AUGUSTA CO, WAYNESBORO CITY — South River from the INVISTA discharge downstream to its confluence with Sawmill Run.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**Mercury in Fish Tissue**	5.44 MILES	00541	**1998**	**2010**	

Sources: Contaminated Sediments

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **South River/South Fork Shenandoah River Hg**

TMDL Group ID: **00541**

VAV-B33R_SSF01A00	**South Fork Shenandoah River**			ROCKINGHAM CO			South Fork Shenandoah River from its confluence with the North & South Rivers downstream to its confluence with Big Run.
VA Overall AU Category:	**5A**						
Use	Impairment	9.45 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule		Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**Mercury in Fish Tissue**		00541	**1998**	**2010**		
			Sources: Contaminated Sediments				
VAV-B35R_SSF01A00	**South Fork Shenandoah River**			ROCKINGHAM CO			South Fork Shenandoah River from its confluence with Big Run downstream to its confluence with Naked Creek.
VA Overall AU Category:	**5A**						
Use	Impairment	15.17 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule		Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**Mercury in Fish Tissue**		00541	**1998**	**2010**		
			Sources: Contaminated Sediments				
VAV-B37R_SSF01A00	**S.F. Shenandoah River**			PAGE CO ROCKINGHAM CO			South Fork Shenandoah River from its confluence with Naked Creek downstream to its confluence with Stoney Run just above the Route 340 bridge at Alma.
VA Overall AU Category:	**5A**						
Use	Impairment	18.28 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule		Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**Mercury in Fish Tissue**		00541	**1998**	**2010**		
			Sources: Contaminated Sediments				
VAV-B38R_SSF01A00	**South Fork Shenandoah River**			PAGE CO			South Fork Shenandoah River from its confluence with Stoney Run just above the Route 340 bridge at Alma downstream to its confluence with Hawksbill Creek.
VA Overall AU Category:	**5A**						
Use	Impairment	16.09 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule		Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**Mercury in Fish Tissue**		00541	**1998**	**2010**		
			Sources: Contaminated Sediments				
VAV-B40R_SSF01A00	**South Fork Shenandoah River**			WARREN CO			South Fork Shenandoah River from its confluence with Overall Run downstream to its confluence with Gooney Run.
VA Overall AU Category:	**5A**						
Use	Impairment	14.31 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule		Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**Mercury in Fish Tissue**		00541	**1998**	**2010**		
			Sources: Contaminated Sediments				

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **South River/South Fork Shenandoah River Hg**

TMDL Group ID: **00541**

VAV-B40R_SSF02A00 | **South Fork Shenandoah River** | PAGE CO | South Fork Shenandoah River from its confluence with Hawksbill Creek downstream to its confluence with Overall Run.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**Mercury in Fish Tissue**	17.59 MILES	00541	**1998**	**2010**	

Sources: Contaminated Sediments

VAV-B41R_SSF01A00 | **South Fork Shenandoah River** | WARREN CO | South Fork Shenandoah River from its confluence with Cabin Run downstream to its confluence with the North Fork Shenandoah River.

VA Overall AU Category: **5D**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**Mercury in Fish Tissue**	1.74 MILES	00541	**2002**	**2010**	

Sources: Contaminated Sediments

VAV-B41R_SSF02A00 | **South Fork Shenandoah River** | WARREN CO | South Fork Shenandoah River from the Rivermont Drive Bridge downstream to its confluence with Cabin Run.

VA Overall AU Category: **5D**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**Mercury in Fish Tissue**	0.61 MILES	00541	**2002**	**2010**	

Sources: Contaminated Sediments

VAV-B41R_SSF03A00 | **South Fork Shenandoah River** | WARREN CO | South Fork Shenandoah River from the 5 mile upper limit of the PWS designation for the Front Royal Public Water Intake downstream to the Rivermont Drive Bridge.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**Mercury in Fish Tissue**	4.36 MILES	00541	**1998**	**2010**	

Sources: Contaminated Sediments

VAV-B41R_SSF04A00 | **South Fork Shenandoah River** | WARREN CO | South Fork Shenandoah River from its confluence with Gooney Creek downstream to the 5 mile upper limit of the PWS designation for the Front Royal Public Water Intake.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**Mercury in Fish Tissue**	1.46 MILES	00541	**1998**	**2010**	

Sources: Contaminated Sediments

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **South River/South Fork Shenandoah River Hg**

TMDL Group ID: **00541**

VAV-B51R_NFS01A00 **North Fork Shenandoah River** WARREN CO

North Fork Shenandoah River from the dam at the boat ramp downstream to its confluence with the South Fork Shenandoah River.

VA Overall AU Category: **5D**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**Mercury in Fish Tissue**	0.67 MILES	00541	**2002**	**2010**	

Sources: Contaminated Sediments

VAV-B55R_SHN02A00 **Shenandoah River** WARREN CO

Shenandoah River from the confluence of the North and South Fork's downstream to the power plant dam near Front Royal.

VA Overall AU Category: **5D**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**Mercury in Fish Tissue**	3.54 MILES	00541	**1998**	**2010**	

Sources: Contaminated Sediments

TMDL Watershed Name: **South Run**

TMDL Group ID: **00228**

VAN-A19R_SOT01A00 **South Run** FAUQUIER CO PRINCE WILLIAM CO

Segment begins downstream of Lake Brittle on South Run and continues downstream until the confluence with Lake Manassas (Broad Run).

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	2.34 MILES	00228	**2004**	**2016**	Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (2 of 9 samples - 22.2%) were recorded at DEQ's ambient water quality monitoring station (1ASOT001.44) at the Route 215 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **South Run**

TMDL Group ID: **00229**

VAN-A19R_SOT01A00	South Run	FAUQUIER CO PRINCE WILLIAM CO	Segment begins downstream of Lake Brittle on South Run and continues downstream until the confluence with Lake Manassas (Broad Run).

VA Overall AU Category: **5A**

Use	Impairment	2.34 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		00229	**1998**	**2010**	This segment was included in Part I of the 1998 303(d) report as partially supporting the aquatic life use due to a moderate benthic impairment noted at the DEQ biological monitoring station 1aSOT001.44 at Route 215. Based on biological survey results from the 2002 and 2004 305(b) assessment periods, this stream segment was determined to be slightly impaired. While the benthic community integrity showed an improvement from the 1998 303(d) list, this was not sufficient to warrant removing this segment from the impaired waters list. Therefore, the stream segment remains impaired for the benthic macroinvertebrate community.

Sources: Source Unknown

TMDL Watershed Name: **Spout Run**

TMDL Group ID: **00411**

VAV-B57R_SPR01A00	Spout Run	CLARKE CO	Spout Run from its confluence with Page Brook Run downstream to its confluence with the Shenandoah River.

VA Overall AU Category: **5A**

Use	Impairment	3.70 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		00411	**1998**	**2010**	

Sources: Source Unknown

TMDL Group ID: **00412**

VAV-B57R_SPR01A00	Spout Run	CLARKE CO	Spout Run from its confluence with Page Brook Run downstream to its confluence with the Shenandoah River.

VA Overall AU Category: **5A**

Use	Impairment	3.70 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		00412	**1998**	**2010**	

Sources: Non-Point Source
Wildlife Other than Waterfowl

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Spring Cove**

TMDL Group ID: **00943**

VAP-A34E_SPN01A04	**Spring Cove**	NORTHUMBERLAND CO	Tidal limit to mouth at Hull Creek Portion of VDH-DSS condemnation 009-142C, 12/22/2004 POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		00943	**2004**	**2016**	VAP-A34E-24 Spring Cove was assessed as not supporting the Recreation use during the 2004 cycle due to a fecal coliform violation rate of 4/20 at 1ASPN000.08. During the 2006 cycle, the enterococci violation rate was acceptable (0/9), however there was no additional fecal coliform monitoring since 2001 and the violation rate is 1/8. As the fecal coliform standard is still in effect, the segment will remain impaired this cycle, although further monitoring is recommended to confirm the impairment.

Sources: Source Unknown

TMDL Watershed Name: **Spring Cove and Hull Creek**

TMDL Group ID: **00939**

VAP-A34E_HUL01A02	**Hull Creek**	NORTHUMBERLAND CO	Hull Creek, excluding Spring Cove, as described in condemnation notice 009-142 12/22/2004. Size expanded in 2006 POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.35 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		00939	**1998**	**2010**	VAP-A34E-12 VDH-DSS condemnation 009-142B, 12/22/2004 Segment expanded in 2006.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Spring Cove and Hull Creek**

TMDL Group ID: **00939**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-A34E_SPN01A04	**Spring Cove**	NORTHUMBERLAND CO	Tidal limit to mouth at Hull Creek Portion of VDH-DSS condemnation 009-142C, 12/22/2004 POTMH

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**	0.01	SQUARE MILES	00939	**2004**	**2010**	VAP-A34E-12 VDH-DSS Shellfish Condemnation 009-142C, 12/22/2004 Size expanded in 2006 cycle and now includes Spring Cove.

Sources: Source Unknown

TMDL Watershed Name: **Staunton Dam Lake**

TMDL Group ID: **50053**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAV-B16L_01	**Staunton Dam Lake**	AUGUSTA CO	Staunton Dam Lake

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**	23.21	ACRES	50053	**2006**	**2018**	Newly listed for pH in 2006.

Sources: Atmospheric Deposition - Acidity
Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

TMDL Watershed Name: **Stephens Run**

TMDL Group ID: **01627**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAV-B56R_STV01A00	**Stephens Run**	FREDERICK CO	Stephens Run from the headwaters downstream to its confluence with Crooked Run.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	9.99	MILES	01627	**2004**	**2016**	

Sources: Non-Point Source
Wildlife Other than Waterfowl

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Stevens Point**

TMDL Group ID: **00174**

VAP-A34E_XFI01A98 **Stevens Point** NORTHUMBERLAND CO

Described in the condemnation notice 8-214C, 12/29/2003

Sq. mileage adjusted in 2006

POTMH

VA Overall AU Category: **5D**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**	0.04 SQUARE MILES	00174	**1998**	**2004**	Category 4A VAP-A34E-03 VDH-DSS condemnation 8-214C, 12/29/2003 The shellfish condemnation for this segment was included in "Coan River Watershed Total Maximum Daily Load (TMDL) Report for Six Shellfish Areas,." which was approved by EPA on 12/02/2004. The segment should be classified as Category 4A for shellfish consumption.

Sources: Non-Point Source

TMDL Watershed Name: **Stony Creek**

TMDL Group ID: **00252**

VAV-B49R_STY01A00 **Stony Creek** SHENANDOAH CO

Stony Creek from its confluence with an annamed tributary just downstream of the Wakemans Grove Road bridge crossing downstream to its confluence with the North Fork Shenandoah River.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	4.21 MILES	00252	**2002**	**2010**	

Sources: Non-Point Source
Wildlife Other than Waterfowl

VAV-B49R_STY02A00 **Stony Creek** SHENANDOAH CO

Stony Creek from the Georges Chicken discharge downstream to its confluence with an unnamed tributary just downstream of the Wakemans Grove Road bridge crossing.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	1.55 MILES	00252	**1998**	**2010**	

Sources: Wildlife Other than Waterfowl

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Stony Creek**

TMDL Group ID: **00252**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAV-B49R_STY03A00	**Stony Creek**	SHENANDOAH CO	Stony Creek from its confluence with Little Stony Creek downstream to the Georges Chicken discharge.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	4.33 MILES	00252	**2006**	**2018**	Newly listed for bacteria in 2006.

Sources: Non-Point Source
Wildlife Other than Waterfowl

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAV-B49R_STY04A04	**Stony Creek**	SHENANDOAH CO	Stony Creek from its confluence with Foltz Creek downstream to its confluence with Little Stony Run.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	6.94 MILES	00252	**2004**	**2016**	

Sources: Agriculture
Non-Point Source
Wildlife Other than Waterfowl

TMDL Group ID: **50040**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAV-B49R_STY05A04	**Stony Creek**	SHENANDOAH CO	Stony Creek from the headwaters downstream to its confluence with Foltz Creek.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Temperature, water**	9.46 MILES	50040	**2006**	**2018**	Newly listed for temperature in 2006.

Sources: Source Unknown

TMDL Watershed Name: **Straight Fork**

TMDL Group ID: **01585**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAV-B01R_STT01A00	**Straight Fork**	HIGHLAND CO	Straight Fork from the headwaters downstream to the VA/WVA state line.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**	7.04 MILES	01585	**2004**	**2016**	

Sources: Atmospheric Deposition - Acidity

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Strait Creek**

TMDL Group ID: **01588**

VAV-B02R_STC01A00 **Strait Creek** HIGHLAND CO Strait Creek from its confluence with West Strait Creek downstream to the confluence with the South Branch Potomac River.

VA Overall AU Category: **5A**

Use	Impairment	3.24 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		01588	**2002**	**2014**	

Sources: Channelization

TMDL Group ID: **50229**

VAV-B02R_STC01A00 **Strait Creek** HIGHLAND CO Strait Creek from its confluence with West Strait Creek downstream to the confluence with the South Branch Potomac River.

VA Overall AU Category: **5A**

Use	Impairment	3.24 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		50229	**2006**	**2018**	Newly listed for bacteria in 2006 WQS for bacteria not supporting at 1ASTC000.02 (2 violations of 9).

Sources: Non-Point Source

VAV-B02R_STC02A00 **Strait Creek** HIGHLAND CO Strait Creek from the headwaters downstream to its confluence with West Strait Creek.

VA Overall AU Category: **5A**

Use	Impairment	2.77 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		50229	**2006**	**2018**	Newly listed for bacteria in 2006 WQS for bacteria not supporting at 1AST004.27 (4 violations of 9).

Sources: Non-Point Source

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Sugarland Run**

TMDL Group ID: **00792**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAN-A10R_SUG01A00	**Sugarland Run**	FAIRFAX CO LOUDOUN CO	Segment begins at the boundary of the PWS designation area, at rivermile 4.82, and continues downstream until the confluence with the Potomac River.

VA Overall AU Category: **5A**

Use	Impairment	4.82 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00792	**2006**	**2014**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (3 of 13 samples - 23.1%) were recorded at DEQ's ambient water quality monitoring station (1ASUG004.42) at the Route 7 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. The segment was previously listed for a fecal coliform bacteria impairment, beginning in 2002.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAN-A10R_SUG01B06	**Sugarland Run**	FAIRFAX CO LOUDOUN CO	Segment begins at the confluence with Folly Lick Branch, at approximately rivermile 5.75, and continues downstream until the boundary of the PWS designation area, at rivermile 4.82.

VA Overall AU Category: **5A**

Use	Impairment	0.93 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00792	**2006**	**2014**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (3 of 13 samples - 23.1%) were recorded at DEQ's ambient water quality monitoring station (1ASUG004.42) at the Route 7 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. The segment was previously listed for a fecal coliform bacteria impairment, beginning in 2002.

Sources: Source Unknown

TMDL Watershed Name: **Switzer Lake**

TMDL Group ID: **50037**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAV-B20L_01	**Switzer Lake**	ROCKINGHAM CO	Switzer Lake

VA Overall AU Category: **5A**

Use	Impairment	96.51 ACRES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Temperature, water**		50037	**2006**	**2018**	Newly listed for temperature and pH in 2006

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Switzer Lake**

TMDL Group ID: **50069**

VAV-B20L_01	Switzer Lake	ROCKINGHAM CO	Switzer Lake

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**	96.51	ACRES	50069	**2006**	**2018**	Newly listed for temperature and pH in 2006

Sources: Atmospheric Deposition - Acidity

TMDL Watershed Name: **The Glebe**

TMDL Group ID: **00937**

VAP-A34E_GLB01A98	The Glebe	NORTHUMBERLAND CO	Described in the condemnation notice 145D, 2/25/1997. POTMH

VA Overall AU Category: **5D**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**	0.13	SQUARE MILES	00937	**1998**	**2004**	Category 4A VAP-A34E-01 A portion of Glebe Creek was initially assessed as impaired of the Shellfish Use due to VDH-DSS Condemnation Notice 145D, 2/25/1997. In the 2004 cycle, the segment was extended to match condemnation 145C, 11/27/2002. However, the 12/02/2004 TMDL was only performed on the 1998 portion. The AU has been shortened to match the original impairment, which will be classified as Cat. 4A, TMDL completed. The portion of Glebe Creek that was impaired in 2004 will have a due date of 2016. In addition, the segment was further extended in 2006; the TMDL for the expanded area will be due in 2018.

Sources: Non-Point Source

TMDL Group ID: **00938**

VAP-A34E_GLB04A04	The Glebe	NORTHUMBERLAND CO	Described in the VDH-DSS Shellfish Condemnation 145A, 11/27/2002 POTMH

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**	0.04	SQUARE MILES	00938	**2004**	**2016**	VAP-A34E-23 The segment was considered impaired in 2004 because of VDH-DSS Shellfish Condemnation 145A, 11/27/2002. During the 2006 cycle, the Glebe Creek impairment was expanded and the segment is now included as a portion of condemnation 008-213B, 12/29/2003

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **The Glebe**

TMDL Group ID: **10060**

VAP-A34E_GLB02A00	**The Glebe**	NORTHUMBERLAND CO	VDH-DSS condemnation 008-213B, 12/29/2003 not otherwise segmented Size extended in 2006 POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.26 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		10060	**2006**	**2018**	VAP-A34E-26 VDH-DSS condemnation 8-213B, 12/29/2003 expanded in 2006, and now includes areas that were previously condemned. Only the expansion is included in this fact sheet. Refer to VAP-A34E-01 (00937) for further explanation.

Sources: Non-Point Source

TMDL Group ID: **85500**

VAP-A34E_GLB01A04	**The Glebe**	NORTHUMBERLAND CO	VDH-DSS notice 145C, 11/27/2002 boundary upstream to VDDH-DSS notice 145D, 2/25/1997 boundary POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.10 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		85500	**1998**	**2016**	VAP-A34E-01 A portion of Glebe Creek was initially assessed as impaired of the Shellfish Use due to VDH-DSS Condemnation Notice 145D, 2/25/1997. In the 2004 cycle, the segment was extended to match condemnation 145C, 11/27/2002. However, the 12/02/2004 TMDL was only performed on the 1998 portion. The AU has been shortened to match the original impairment, which will be classified as Cat. 4A, TMDL completed. The portion of Glebe Creek that was impaired in 2004 will have a due date of 2016. In addition, the segment was further extended in 2006; the TMDL for this expanded area will be due in 2018.

Sources: Non-Point Source

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Thompson Branch**

TMDL Group ID: **10024**

VAP-A32R_THP01A06	Thompson Branch	WESTMORELAND CO	Headwaters to tidal limit.

VA Overall AU Category: **5C**

Use	Impairment	1.66 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		10024	**2006**	**2018**	VAP-A32R-01

Thompson Branch was assessed as not supporting the Aquatic Life Use based on a dissolved oxygen violation rate of 3/5 at 1ATHP001.15, as well as DO violations at special study stations in the creek (1/1).

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

TMDL Group ID: **10025**

VAP-A32R_THP01A06	Thompson Branch	WESTMORELAND CO	Headwaters to tidal limit.

VA Overall AU Category: **5C**

Use	Impairment	1.66 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		10025	**2006**	**2018**	VAP-A32R-01

Thompson Branch was assessed as not supporting the Aquatic Life Use based on a pH violation rate of 5/5 at 1ATHP001.15, as well as pH violations at special study stations in the creek (1/1).

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

TMDL Watershed Name: **Thorny Branch**

TMDL Group ID: **01605**

VAV-B17R_TRN01A00	Thorny Branch	AUGUSTA CO ROCKINGHAM CO	Thorny Branch and tributaries from the headwaters downstream to its confluence with North River.

VA Overall AU Category: **5A**

Use	Impairment	7.10 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		01605	**2004**	**2016**	

Sources: Non-Point Source

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Tidal Potomac River (Aquia Creek)**

TMDL Group ID: **20014**

VAN-A28E_AUA01A06 **Aquia Creek** STAFFORD CO

Segment extends to a 0.5 mile radius around the ACB station 1AAUA-SCSHORE-ALL.
Portion of CBP segment POTOH.

VA Overall AU Category: **5A**

Use	Impairment	0.42 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		20014	**2006**	**2018**	The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 4/19/99 and modified 12/13/04, limits consumption of American eel, bullhead catfish, channel catfish less than eighteen inches long, largemouth bass, anadromous (coastal) striped bass, sunfish species, smallmouth bass, white catfish, white perch, gizzard shad, and yellow perch consumption to no more than two meals per month. The advisory also restricts the consumption of carp and channel catfish greater than eighteen inches long. The affected area includes the tidal portions of the following tributaries and embayments from the I-395 bridge (above the Woodrow Wilson Bridge) to the Potomac River Bridge at Route 301: Fourmile Run, Hunting Creek, Little Hunting Creek, Pohick Creek, Accotink Creek, Occoquan River, Neabsco Creek, Powell Creek, Quantico Creek, Chopawamsic Creek, Aquia Creek, and Potomac Creek.

Sources: Source Unknown

VAN-A28E_AUA01B00 **Aquia Creek** STAFFORD CO

Segment extends from rivermile 4.28 to rivermile 3.28 in Aquia Creek encompassing a 0.5-mile radius around station 1AAUA003.71.
Portion of CBP segment POTOH.

VA Overall AU Category: **5A**

Use	Impairment	0.37 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		20014	**2006**	**2018**	The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 4/19/99 and modified 12/13/04, limits consumption of American eel, bullhead catfish, channel catfish less than eighteen inches long, largemouth bass, anadromous (coastal) striped bass, sunfish species, smallmouth bass, white catfish, white perch, gizzard shad, and yellow perch consumption to no more than two meals per month. The advisory also restricts the consumption of carp and channel catfish greater than eighteen inches long. The affected area includes the tidal portions of the following tributaries and embayments from the I-395 bridge (above the Woodrow Wilson Bridge) to the Potomac River Bridge at Route 301: Fourmile Run, Hunting Creek, Little Hunting Creek, Pohick Creek, Accotink Creek, Occoquan River, Neabsco Creek, Powell Creek, Quantico Creek, Chopawamsic Creek, Aquia Creek, and Potomac Creek.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Tidal Potomac River (Aquia Creek)**

TMDL Group ID: **20014**

VAN-A28E_AUA01C06 **Aquia Creek** STAFFORD CO

Segment extends from approximately rivermile 6.70 and continues downstream until approximately rivermile 4.19.
Portion of CBP segment POTOH.

VA Overall AU Category: **5A**

Use	Impairment	0.58 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		20014	**2006**	**2018**	The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 4/19/99 and modified 12/13/04, limits consumption of American eel, bullhead catfish, channel catfish less than eighteen inches long, largemouth bass, anadromous (coastal) striped bass, sunfish species, smallmouth bass, white catfish, white perch, gizzard shad, and yellow perch consumption to no more than two meals per month. The advisory also restricts the consumption of carp and channel catfish greater than eighteen inches long. The affected area includes the tidal portions of the following tributaries and embayments from the I-395 bridge (above the Woodrow Wilson Bridge) to the Potomac River Bridge at Route 301: Fourmile Run, Hunting Creek, Little Hunting Creek, Pohick Creek, Accotink Creek, Occoquan River, Neabsco Creek, Powell Creek, Quantico Creek, Chopawamsic Creek, Aquia Creek, and Potomac Creek.

Sources: Source Unknown

VAN-A28E_AUA02A04 **Aquia Creek** STAFFORD CO

Segment begins at the upstream limit of the tidal waters of Aquia Creek and continues downstream until the confluence with Austin Run.
Portion of CBP segment POTOH.

VA Overall AU Category: **5A**

Use	Impairment	0.24 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		20014	**2006**	**2018**	The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 4/19/99 and modified 12/13/04, limits consumption of American eel, bullhead catfish, channel catfish less than eighteen inches long, largemouth bass, anadromous (coastal) striped bass, sunfish species, smallmouth bass, white catfish, white perch, gizzard shad, and yellow perch consumption to no more than two meals per month. The advisory also restricts the consumption of carp and channel catfish greater than eighteen inches long. The affected area includes the tidal portions of the following tributaries and embayments from the I-395 bridge (above the Woodrow Wilson Bridge) to the Potomac River Bridge at Route 301: Fourmile Run, Hunting Creek, Little Hunting Creek, Pohick Creek, Accotink Creek, Occoquan River, Neabsco Creek, Powell Creek, Quantico Creek, Chopawamsic Creek, Aquia Creek, and Potomac Creek.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Tidal Potomac River (Aquia Creek)**

TMDL Group ID: **20014**

VAN-A28E_AUA20A02	Aquia Creek	STAFFORD CO	Segment includes all tidal waters of Aquia Creek not included in another segment. Portion of CBP segment POTOH.

VA Overall AU Category: **5A**

Use	Impairment	2.13 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		20014	**2006**	**2018**	The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 4/19/99 and modified 12/13/04, limits consumption of American eel, bullhead catfish, channel catfish less than eighteen inches long, largemouth bass, anadromous (coastal) striped bass, sunfish species, smallmouth bass, white catfish, white perch, gizzard shad, and yellow perch consumption to no more than two meals per month. The advisory also restricts the consumption of carp and channel catfish greater than eighteen inches long. The affected area includes the tidal portions of the following tributaries and embayments from the I-395 bridge (above the Woodrow Wilson Bridge) to the Potomac River Bridge at Route 301: Fourmile Run, Hunting Creek, Little Hunting Creek, Pohick Creek, Accotink Creek, Occoquan River, Neabsco Creek, Powell Creek, Quantico Creek, Chopawamsic Creek, Aquia Creek, and Potomac Creek.

Sources: Source Unknown

TMDL Watershed Name: **Tidal Potomac River (Potomac Creek)**

TMDL Group ID: **20015**

VAN-A29E_POM01A04	Potomac Creek	KING GEORGE CO STAFFORD CO	Segment extends to a half-mile radius around station 1APOM000.59. Portion of CBP segment POTOH.

VA Overall AU Category: **5A**

Use	Impairment	0.44 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		20015	**2004**	**2014**	The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 4/19/99 and modified 12/13/04, limits consumption of American eel, bullhead catfish, channel catfish less than eighteen inches long, largemouth bass, anadromous (coastal) striped bass, sunfish species, smallmouth bass, white catfish, white perch, gizzard shad, and yellow perch consumption to no more than two meals per month. The advisory also restricts the consumption of carp and channel catfish greater than eighteen inches long. The affected area includes the tidal portions of the following tributaries and embayments from the I-395 bridge (above the Woodrow Wilson Bridge) to the Potomac River Bridge at Route 301: Fourmile Run, Hunting Creek, Little Hunting Creek, Pohick Creek, Accotink Creek, Occoquan River, Neabsco Creek, Powell Creek, Quantico Creek, Chopawamsic Creek, Aquia Creek, and Potomac Creek. Additionally, exceedance of the water quality criterion based tissue value (TV) of 54 parts per billion (ppb) for polychlorinated biphenyls (PCBs) in fish tissue were recorded in four species in samples collected in 2000 (largemouth bass, carp, channel catfish and American eel) at station 1APOM001.04.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Tidal Potomac River (Potomac Creek)**

TMDL Group ID: **20015**

VAN-A29E_POM01B06	Potomac Creek	KING GEORGE CO STAFFORD CO	Segment extends from rivermile 1.91 until rivermile 1.09 along Potomac Creek and includes the lower portion of the Accokeek Creek arm of Potomac Creek, approximately 0.35 rivermile upstream. Portion of CBP segment POTOH.

VA Overall AU Category: **5A**

Use	Impairment	0.67 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		20015	**2002**	**2014**	The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 4/19/99 and modified 12/13/04, limits consumption of American eel, bullhead catfish, channel catfish less than eighteen inches long, largemouth bass, anadromous (coastal) striped bass, sunfish species, smallmouth bass, white catfish, white perch, gizzard shad, and yellow perch consumption to no more than two meals per month. The advisory also restricts the consumption of carp and channel catfish greater than eighteen inches long. The affected area includes the tidal portions of the following tributaries and embayments from the I-395 bridge (above the Woodrow Wilson Bridge) to the Potomac River Bridge at Route 301: Fourmile Run, Hunting Creek, Little Hunting Creek, Pohick Creek, Accotink Creek, Occoquan River, Neabsco Creek, Powell Creek, Quantico Creek, Chopawamsic Creek, Aquia Creek, and Potomac Creek. Additionally, exceedance of the water quality criterion based tissue value (TV) of 54 parts per billion (ppb) for polychlorinated biphenyls (PCBs) in fish tissue were recorded in four species in samples collected in 2000 (largemouth bass, carp, channel catfish and American eel) at station 1APOM001.04.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Tidal Potomac River (Potomac Creek)**

TMDL Group ID: **20015**

VAN-A29E_POM02A02	Potomac Creek	KING GEORGE CO STAFFORD CO	Segment extends a half-mile radius around monitoring station 1APOM002.41. Portion of CBP segment POTOH.

VA Overall AU Category: **5A**

Use	Impairment	0.60 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		20015	**2002**	**2014**	The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 4/19/99 and modified 12/13/04, limits consumption of American eel, bullhead catfish, channel catfish less than eighteen inches long, largemouth bass, anadromous (coastal) striped bass, sunfish species, smallmouth bass, white catfish, white perch, gizzard shad, and yellow perch consumption to no more than two meals per month. The advisory also restricts the consumption of carp and channel catfish greater than eighteen inches long. The affected area includes the tidal portions of the following tributaries and embayments from the I-395 bridge (above the Woodrow Wilson Bridge) to the Potomac River Bridge at Route 301: Fourmile Run, Hunting Creek, Little Hunting Creek, Pohick Creek, Accotink Creek, Occoquan River, Neabsco Creek, Powell Creek, Quantico Creek, Chopawamsic Creek, Aquia Creek, and Potomac Creek. Additionally, exceedance of the water quality criterion based tissue value (TV) of 54 parts per billion (ppb) for polychlorinated biphenyls (PCBs) in fish tissue were recorded in four species in samples collected in 2000 (largemouth bass, carp, channel catfish and American eel) at station 1APOM001.04.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Tidal Potomac River (Potomac Creek)**

TMDL Group ID: **20015**

VAN-A29E_POM20A04	Potomac Creek	KING GEORGE CO STAFFORD CO	Segment includes all tidal waters of Potomac Creek not included in other segments; beginning at the upstream limit of the tidal waters and continuing downstream until the confluence with the Potomac River at the state line. Portion of CBP segment POTOH.

VA Overall AU Category: **5A**

Use	Impairment	0.84 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		20015	**2002**	**2014**	The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 4/19/99 and modified 12/13/04, limits consumption of American eel, bullhead catfish, channel catfish less than eighteen inches long, largemouth bass, anadromous (coastal) striped bass, sunfish species, smallmouth bass, white catfish, white perch, gizzard shad, and yellow perch consumption to no more than two meals per month. The advisory also restricts the consumption of carp and channel catfish greater than eighteen inches long. The affected area includes the tidal portions of the following tributaries and embayments from the I-395 bridge (above the Woodrow Wilson Bridge) to the Potomac River Bridge at Route 301: Fourmile Run, Hunting Creek, Little Hunting Creek, Pohick Creek, Accotink Creek, Occoquan River, Neabsco Creek, Powell Creek, Quantico Creek, Chopawamsic Creek, Aquia Creek, and Potomac Creek. Additionally, exceedance of the water quality criterion based tissue value (TV) of 54 parts per billion (ppb) for polychlorinated biphenyls (PCBs) in fish tissue were recorded in four species in samples collected in 2000 (largemouth bass, carp, channel catfish and American eel) at station 1APOM001.04.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Tidal Potomac River (Potomac River)**

TMDL Group ID: **20016**

VAN-A29E_POT01A06 **Fairview Beach/ Potomac River** KING GEORGE CO

Segment includes all of Fairview Beach on the Potomac River.
Portion of CBP segment POTOH.

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		20016	**2006**	**2018**	The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 4/19/99 and modified 12/13/04, limits consumption of American eel, bullhead catfish, channel catfish less than eighteen inches long, largemouth bass, anadromous (coastal) striped bass, sunfish species, smallmouth bass, white catfish, white perch, gizzard shad, and yellow perch consumption to no more than two meals per month. The advisory also restricts the consumption of carp and channel catfish greater than eighteen inches long. The affected area includes the tidal portions of the following tributaries and embayments from the I-395 bridge (above the Woodrow Wilson Bridge) to the Potomac River Bridge at Route 301: Fourmile Run, Hunting Creek, Little Hunting Creek, Pohick Creek, Accotink Creek, Occoquan River, Neabsco Creek, Powell Creek, Quantico Creek, Chopawamsic Creek, Aquia Creek, and Potomac Creek. While the embayments are not named explicitly in the advisory, a similar advisory concerning PCBs in the Potomac River exists for Maryland.

Sources: Source Unknown

VAN-A29E_POT20A06 **Potomac River** KING GEORGE CO

Segment includes all tidal embayments of the Potomac River located in Virginia, but not included in other segments.
Portion of CBP segment POTOH.

VA Overall AU Category: **5A**

Use	Impairment	0.13 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		20016	**2006**	**2018**	The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 4/19/99 and modified 12/13/04, limits consumption of American eel, bullhead catfish, channel catfish less than eighteen inches long, largemouth bass, anadromous (coastal) striped bass, sunfish species, smallmouth bass, white catfish, white perch, gizzard shad, and yellow perch consumption to no more than two meals per month. The advisory also restricts the consumption of carp and channel catfish greater than eighteen inches long. The affected area includes the tidal portions of the following tributaries and embayments from the I-395 bridge (above the Woodrow Wilson Bridge) to the Potomac River Bridge at Route 301: Fourmile Run, Hunting Creek, Little Hunting Creek, Pohick Creek, Accotink Creek, Occoquan River, Neabsco Creek, Powell Creek, Quantico Creek, Chopawamsic Creek, Aquia Creek, and Potomac Creek. While the embayments are not named explicitly in the advisory, a similar advisory concerning PCBs in the Potomac River exists for Maryland.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Tidal Potomac River (Powells Creek)**

TMDL Group ID: **20010**

VAN-A26E_POT20A02 **Quantico Creek/Powells Creek** PRINCE WILLIAM CO, STAFFORD CO

Segment includes all tidal waters in watershed not included in other delineated stream segments.
Portion of CBP segment POTTF.

VA Overall AU Category: **5A**

Use	Impairment	1.06 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		20010	**2002**	**2014**	The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 4/19/99 and modified 12/13/04, limits consumption of American eel, bullhead catfish, channel catfish less than eighteen inches long, largemouth bass, anadromous (coastal) striped bass, sunfish species, smallmouth bass, white catfish, white perch, gizzard shad, and yellow perch consumption to no more than two meals per month. The advisory also restricts the consumption of carp and channel catfish greater than eighteen inches long. The affected area includes the tidal portions of the following tributaries and embayments from the I-395 bridge (above the Woodrow Wilson Bridge) to the Potomac River Bridge at Route 301: Fourmile Run, Hunting Creek, Little Hunting Creek, Pohick Creek, Accotink Creek, Occoquan River, Neabsco Creek, Powell Creek, Quantico Creek, Chopawamsic Creek, Aquia Creek, and Potomac Creek.

Sources: Source Unknown

VAN-A26E_POW01A02 **Powells Creek** PRINCE WILLIAM CO

Segment extends to a 0.5 mile radius around the ACB station 1APOW-865-ALL.
Portion of CBP segment POTTF.

VA Overall AU Category: **5A**

Use	Impairment	0.23 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		20010	**2002**	**2014**	The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 4/19/99 and modified 12/13/04, limits consumption of American eel, bullhead catfish, channel catfish less than eighteen inches long, largemouth bass, anadromous (coastal) striped bass, sunfish species, smallmouth bass, white catfish, white perch, gizzard shad, and yellow perch consumption to no more than two meals per month. The advisory also restricts the consumption of carp and channel catfish greater than eighteen inches long. The affected area includes the tidal portions of the following tributaries and embayments from the I-395 bridge (above the Woodrow Wilson Bridge) to the Potomac River Bridge at Route 301: Fourmile Run, Hunting Creek, Little Hunting Creek, Pohick Creek, Accotink Creek, Occoquan River, Neabsco Creek, Powell Creek, Quantico Creek, Chopawamsic Creek, Aquia Creek, and Potomac Creek.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Tidal Potomac River (Powells Creek)**

TMDL Group ID: **20010**

VAN-A26E_POW02A02 **Powells Creek** PRINCE WILLIAM CO

Segment extends to a 0.5 mile radius around the ACB station 1APOW-765-ALL.
Portion of CBP segment POTTF.

VA Overall AU Category: **5A**

Use	Impairment	0.40 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		20010	**2002**	**2014**	The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 4/19/99 and modified 12/13/04, limits consumption of American eel, bullhead catfish, channel catfish less than eighteen inches long, largemouth bass, anadromous (coastal) striped bass, sunfish species, smallmouth bass, white catfish, white perch, gizzard shad, and yellow perch consumption to no more than two meals per month. The advisory also restricts the consumption of carp and channel catfish greater than eighteen inches long. The affected area includes the tidal portions of the following tributaries and embayments from the I-395 bridge (above the Woodrow Wilson Bridge) to the Potomac River Bridge at Route 301: Fourmile Run, Hunting Creek, Little Hunting Creek, Pohick Creek, Accotink Creek, Occoquan River, Neabsco Creek, Powell Creek, Quantico Creek, Chopawamsic Creek, Aquia Creek, and Potomac Creek.

Sources: Source Unknown

VAN-A26R_POW01A00 **Powells Creek** PRINCE WILLIAM CO

Segment begins approximately 0.2 rivermiles below Lake Montclair and continues downstream until the end of the free-flowing waters of Powells Creek, at rivermile 2.18.

VA Overall AU Category: **5A**

Use	Impairment	5.02 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		20010	**2002**	**2014**	This segment remains on the impaired waters list for the fish consumption use because of the 1996 fish tissue data. Exceedances of the water quality standard criterion based tissue value (TV) of 54 parts per billion (ppb) for polychlorinated biphenyls (PCBs) were recorded during a 1996 sampling event. Exceedances of the TV for PCBs were recorded in three fish species (largemouth bass, bullhead catfish, and sunfish).

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Tidal Potomac River (Quantico Creek)**

TMDL Group ID: **20011**

VAN-A26E_QUA01A04 **Quantico Creek** PRINCE WILLIAM CO Segment extends to a 0.5-mile radius around station 1AQUA001.09. Portion of CBP segment POTTF.

VA Overall AU Category: **5A**

Use	Impairment	0.43 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		20011	**2002**	**2014**	The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 4/19/99 and modified 12/13/04, limits consumption of American eel, bullhead catfish, channel catfish less than eighteen inches long, largemouth bass, anadromous (coastal) striped bass, sunfish species, smallmouth bass, white catfish, white perch, gizzard shad, and yellow perch consumption to no more than two meals per month. The advisory also restricts the consumption of carp and channel catfish greater than eighteen inches long. The affected area includes the tidal portions of the following tributaries and embayments from the I-395 bridge (above the Woodrow Wilson Bridge) to the Potomac River Bridge at Route 301: Fourmile Run, Hunting Creek, Little Hunting Creek, Pohick Creek, Accotink Creek, Occoquan River, Neabsco Creek, Powell Creek, Quantico Creek, Chopawamsic Creek, Aquia Creek, and Potomac Creek.

Sources: Source Unknown

VAN-A26E_QUA02A06 **Quantico Creek** PRINCE WILLIAM CO Segment extends to a 0.5 mile radius around station 1AQUA002.15. Portion of CBP segment POTTF.

VA Overall AU Category: **5A**

Use	Impairment	0.28 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		20011	**2002**	**2014**	The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 4/19/99 and modified 12/13/04, limits consumption of American eel, bullhead catfish, channel catfish less than eighteen inches long, largemouth bass, anadromous (coastal) striped bass, sunfish species, smallmouth bass, white catfish, white perch, gizzard shad, and yellow perch consumption to no more than two meals per month. The advisory also restricts the consumption of carp and channel catfish greater than eighteen inches long. The affected area includes the tidal portions of the following tributaries and embayments from the I-395 bridge (above the Woodrow Wilson Bridge) to the Potomac River Bridge at Route 301: Fourmile Run, Hunting Creek, Little Hunting Creek, Pohick Creek, Accotink Creek, Occoquan River, Neabsco Creek, Powell Creek, Quantico Creek, Chopawamsic Creek, Aquia Creek, and Potomac Creek.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Tidal Potomac River (Upper Machodoc Creek)**

TMDL Group ID: **20018**

VAN-A30E_UMC01A02 **Upper Machodoc Creek** KING GEORGE CO

The boundaries of the condemned area are described in VDH Notice and Description of Shellfish Area Condemnation Number 001A-36, Upper Machodoc Creek, Section E, effective July 15, 2004.
Portion of CBP segment POTMH.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.01	SQUARE MILES	20018	**2006**	**2018**	The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 12/13/04, limits consumption of gizzard shad, white perch, and channel catfish consumption to no more than two meals per month. The affected area includes the tidal portions of the following tributaries from the Potomac River Bridge at Route 301 to the mouth of the river near Smith Point: Upper Machodoc Creek, Monroe Creek, and Coan River.

Sources: Source Unknown

VAN-A30E_UMC01B06 **Upper Machodoc Creek** KING GEORGE CO

The Upper Machodoc Creek portion of the condemned area described in VDH Notice and Description of Shellfish Area Condemnation Number 001A-36, Upper Machodoc Creek, Section A, effective July 15, 2004.
Portion of CBP segment POTMH.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.07	SQUARE MILES	20018	**2006**	**2018**	The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 12/13/04, limits consumption of gizzard shad, white perch, and channel catfish consumption to no more than two meals per month. The affected area includes the tidal portions of the following tributaries from the Potomac River Bridge at Route 301 to the mouth of the river near Smith Point: Upper Machodoc Creek, Monroe Creek, and Coan River.

Sources: Source Unknown

VAN-A30E_UMC02A04 **Upper Machodoc Creek** PRINCE GEORGE CO

The boundaries of the condemned area are described in VDH Notice and Description of Shellfish Area Condemnation Number 001A-36, Upper Machodoc Creek, Section B, effective July 15, 2004.
Portion of CBP segment POTMH.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.03	SQUARE MILES	20018	**2006**	**2018**	The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 12/13/04, limits consumption of gizzard shad, white perch, and channel catfish consumption to no more than two meals per month. The affected area includes the tidal portions of the following tributaries from the Potomac River Bridge at Route 301 to the mouth of the river near Smith Point: Upper Machodoc Creek, Monroe Creek, and Coan River.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Tidal Potomac River (Upper Machodoc Creek)**

TMDL Group ID: **20018**

VAN-A30E_UMC03A04 **Upper Machodoc Creek** PRINCE GEORGE CO

The boundaries of the condemned area are described in VDH Notice and Description of Shellfish Area Condemnation Number 001A-36, Upper Machodoc Creek, Section M1, effective July 15, 2004.
Portion of CBP segment POTMH.

VA Overall AU Category: **5A**

Use	Impairment	0.11 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		20018	**2006**	**2018**	The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 12/13/04, limits consumption of gizzard shad, white perch, and channel catfish consumption to no more than two meals per month. The affected area includes the tidal portions of the following tributaries from the Potomac River Bridge at Route 301 to the mouth of the river near Smith Point: Upper Machodoc Creek, Monroe Creek, and Coan River. Additionally, exceedances of the water quality criterion based fish tissue value (TV) of 54 parts per billion (ppb) for polychlorinated biphenyls (PCBs) in fish tissue were recorded in four tissue samples collected in 2004 of two species at monitoring station 1AUMC001.36 (channel catfish and gizzard shad).

Sources: Source Unknown

VAN-A30E_UMC04A06 **Upper Machodoc Creek** KING GEORGE CO

Segment includes the main body of tidal Upper Machodoc Creek not included in segment VAN-A30E_UMC04B06 or the segments described in VDH Shellfish Area Condemnation Number 001A-36.
Portion of CBP segment POTMH.

VA Overall AU Category: **5A**

Use	Impairment	0.91 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		20018	**2004**	**2016**	The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 12/13/04, limits consumption of gizzard shad, white perch, and channel catfish consumption to no more than two meals per month. The affected area includes the tidal portions of the following tributaries from the Potomac River Bridge at Route 301 to the mouth of the river near Smith Point: Upper Machodoc Creek, Monroe Creek, and Coan River. Additionally, exceedances of the water quality criterion based fish tissue value (TV) of 54 parts per billion (ppb) for polychlorinated biphenyls (PCBs) in fish tissue were recorded in four tissue samples collected in 2004 of two species at monitoring station 1AUMC001.36 (channel catfish and gizzard shad).

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Tidal Potomac River (Upper Machodoc Creek)**

TMDL Group ID: **20018**

VAN-A30E_UMC04B06 **Upper Machodoc Creek** KING GEORGE CO

Segment includes the portion of Upper Machodoc Creek beginning upstream at the downstream boundary of shellfish condemnation area D and continuing until the confluence with Deep Creek.
Portion of CBP segment POTMH.

VA Overall AU Category: **5A**

Use	Impairment	0.30 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		20018	**2006**	**2018**	The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 12/13/04, limits consumption of gizzard shad, white perch, and channel catfish consumption to no more than two meals per month. The affected area includes the tidal portions of the following tributaries from the Potomac River Bridge at Route 301 to the mouth of the river near Smith Point: Upper Machodoc Creek, Monroe Creek, and Coan River.

Sources: Source Unknown

VAN-A30E_UMC05A02 **Upper Machodoc Creek** KING GEORGE CO

The boundaries of the condemned area are described in VDH Notice and Description of Shellfish Area Condemnation Number 001A-36, Upper Machodoc Creek, Section D, effective July 15, 2004.
Portion of CBP segment POTMH.

VA Overall AU Category: **5A**

Use	Impairment	0.43 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		20018	**2004**	**2016**	The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 12/13/04, limits consumption of gizzard shad, white perch, and channel catfish consumption to no more than two meals per month. The affected area includes the tidal portions of the following tributaries from the Potomac River Bridge at Route 301 to the mouth of the river near Smith Point: Upper Machodoc Creek, Monroe Creek, and Coan River. Additionally, exceedances of the water quality criterion based fish tissue value (TV) of 54 parts per billion (ppb) for polychlorinated biphenyls (PCBs) in fish tissue were recorded in five tissue samples collected in 2001 and 2004 of two species at monitoring station 1AUMC004.43 (channel catfish and gizzard shad).

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Trapp Branch**

TMDL Group ID: **60054**

VAN-A19R_TRA01A06	Trapp Branch	FAUQUIER CO	Segment begins at the confluence with an unnamed tributary to Trapp Branch, approximately 0.08 rivermile downstream from the Route 696 crossing, and continues downstream until the confluence with Broad Run.

VA Overall AU Category: **5A**

Use	Impairment	1.49 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		60054	**2006**	**2018**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (8 of 12 samples - 66.7%) were recorded at DEQ's special study station (1ATRA001.02) at the Route 674 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sources: Source Unknown

TMDL Watershed Name: **Tripps Run**

TMDL Group ID: **00797**

VAN-A13R_TRI01A00	Tripps Run	FAIRFAX CO	Segment begins at the headwaters of Tripps Run and continues downstream until the start of Lake Barcroft.

VA Overall AU Category: **5A**

Use	Impairment	2.25 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		00797	**2004**	**2016**	DEQ benthic macroinvertebrate biological monitoring finds this segment to be moderately impaired.

Sources: Source Unknown

TMDL Watershed Name: **Tumbling Run**

TMDL Group ID: **01644**

VAV-B51R_TBL02A04	Tumbling Run	SHENANDOAH CO	Tumbling Run from the headwaters downstream to the 5 mile upper limit of the PWS designation for the Strasburg Public Water Intake.

VA Overall AU Category: **5A**

Use	Impairment	4.15 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		01644	**2004**	**2016**	

Sources: Non-Point Source
Wildlife Other than Waterfowl

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Turkey Run**

TMDL Group ID: **60050**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAN-A17R_TUK01A06	**Turkey Run**	FAUQUIER CO	Segment begins at the confluence with an unnamed tributary to Turkey Run, approximately 0.25 rivermile upstream from the Route 602 crossing, and continues downstream until the confluence with Cedar Run, at rivermile 20.89.

VA Overall AU Category: **5A**

Use	Impairment	3.62 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		60050	**2006**	**2018**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (3 of 5 samples - 60.0%) were recorded at DEQ's ambient water quality monitoring station (1ATUK003.37) at the Route 602 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sources: Source Unknown

TMDL Watershed Name: **Turley Creek**

TMDL Group ID: **01631**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAV-B45R_TRL01A00	**Turley Creek**	ROCKINGHAM CO	Turley Creek from just above its confluence with an unnamed tributary originating near Turleytown downstream to its confluence with the North Fork Shenandoah River.

VA Overall AU Category: **5A**

Use	Impairment	2.17 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		01631	**2002**	**2014**	

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAV-B45R_TRL02A00	**Turley Creek**	ROCKINGHAM CO	Turley Creek from the headwaters downstream to just above an unnamed tributary originating near Turleytown.

VA Overall AU Category: **5A**

Use	Impairment	1.85 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		01631	**2002**	**2014**	

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Turley Creek**

TMDL Group ID: **01632**

VAV-B45R_TRL01A00 **Turley Creek** ROCKINGHAM CO

Turley Creek from just above its confluence with an unnamed tributary originating near Turleytown downstream to its confluence with the North Fork Shenandoah River.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	2.17 MILES	01632	**2002**	**2014**	

Sources: Non-Point Source
Wildlife Other than Waterfowl

VAV-B45R_TRL02A00 **Turley Creek** ROCKINGHAM CO

Turley Creek from the headwaters downstream to just above an unnamed tributary originating near Turleytown.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	1.85 MILES	01632	**2002**	**2014**	

Sources: Non-Point Source
Wildlife Other than Waterfowl

TMDL Watershed Name: **Tuscarora Creek**

TMDL Group ID: **30101**

VAN-A08R_TUS01A00 **Tuscarora Creek** LOUDOUN CO

Segment begins at the boundary for the PWS designation area, approximately 0.1 rivermile downstream from the Route 15 crossing. and continues downstream until the confluence with Goose Creek.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	2.50 MILES	30101	**2004**	**2016**	Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (5 of 19 samples - 26.3%) were recorded at DEQ's ambient water quality monitoring station (1ATUS000.37) at the Route 653 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sources: Source Unknown

VAN-A08R_TUS01B06 **Tuscarora Creek** LOUDOUN CO

Segment begins at the confluence with Town Branch and continues downstream until the boundary for the PWS designation area, approximately 0.1 rivermile downstream from the Route 15 crossing.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	1.05 MILES	30101	**2004**	**2016**	Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (5 of 19 samples - 26.3%) were recorded at DEQ's ambient water quality monitoring station (1ATUS000.37) at the Route 653 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Two Mile Run**

TMDL Group ID: **97101**

VAV-B35R_TWO01A00	Two Mile Run	ROCKINGHAM CO	Two Mile Run from the headwaters downstream to its confluence with the South Fork Shenandoah River.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**	4.72 MILES	97101	**2006**	**2018**	Newly impaired for pH in 2006.

Sources: Atmospheric Deposition - Acidity

TMDL Watershed Name: **Union Spring Branch**

TMDL Group ID: **50056**

VAV-B18R_USB01A00	Union Spring Branch	ROCKINGHAM CO	Union Springs Run from the headwaters downstream to its confluence with Red Banks Run.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**	3.65 MILES	50056	**2006**	**2018**	Newly listed for pH in 2006.

Sources: Atmospheric Deposition - Acidity

TMDL Watershed Name: **Weatherall Creek**

TMDL Group ID: **00918**

VAP-A32E_WEA02A04	Weatherall Creek	WESTMORELAND CO	As described in VDH Shellfish condemnation 083B, 12/18/2002. POTMH

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**	0.05 SQUARE MILES	00918	**2004**	**2016**	VAP-A32E-10 VDH-DSS condemnation 083B, 12/18/2002

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **West Strait Creek**

TMDL Group ID: **01589**

VAV-B02R_WSC02A00 **West Strait Creek** HIGHLAND CO West Strait Creek from the Monterey STP downstream to its confluence with an unnamed tributary originating on Miracle Ridge.

VA Overall AU Category: **5A**

Use	Impairment	0.32 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		01589	**1996**	**2010**	

Sources: Municipal Point Source Discharges

VAV-B02R_WSC03A00 **West Strait Creek** HIGHLAND CO West Strait Creek from the headwaters downstream to the Monterey STP.

VA Overall AU Category: **5A**

Use	Impairment	0.85 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		01589	**2004**	**2016**	

Sources: Non-Point Source

TMDL Watershed Name: **White Point Creek**

TMDL Group ID: **00927**

VAP-A33E_WHP01A98 **White Point Creek** WESTMORELAND CO Described in the condemnation notice 007-028B, 07/21/2004.

Size adjusted in 2006 cycle.

POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.08 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		00927	**1998**	**2010**	VAP-A33E-05 VDH-DSS condemnation 007-028B, 07/21/2006 Size was adjusted in 2006 cycle.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Williams Creek**

TMDL Group ID: **00827**

VAN-A30E_WLL02A02	Williams Creek	KING GEORGE CO	The boundaries of the condemned area are described in VDH Notice and Description of Shellfish Area Condemnation Number 001A-36, Upper Machodoc Creek, Section F, effective July 15, 2004. Portion of CBP segment POTMH.

VA Overall AU Category: **5A**

Use	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		00827	**2004**	**2016**	Sufficient exceedances of the instantaneous pH criterion (2 of 8 samples - 25.0%) were recorded at DEQ's ambient water quality monitoring station (1AWLL002.21) at the Route 206 bridge to assess this stream segment as not supporting the aquatic life use goal for the 2006 water quality assessment. The exceedances were below the lower range (6.0 - 9.0 SU) of the pH water quality criteria for Class II waters as established in 9 VAC 25-260-50 of the Virginia Water Quality Standards.

Sources: Source Unknown

TMDL Watershed Name: **Williams Creek/Upper Machodoc Creek**

TMDL Group ID: **00825**

VAN-A30E_WLL01A02	Williams Creek	KING GEORGE CO	The boundaries of the condemned area are described in VDH Notice and Description of Shellfish Area Condemnation Number 001A-36, Upper Machodoc Creek, Section C, effective July 15, 2004. Portion of CBP segment POTMH.

VA Overall AU Category: **5A**

Use	Impairment	0.13 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		00825	**2004**	**2016**	Although the data obtained during the 2006 assessment window show exceedances of the instantaneous pH criterion (1 of 5 samples - 20.0%) is categorized as not assessed, very little data has been collected from the DEQ's ambient water quality monitoring station (1AWLL001.30) at Route 206 since the previous assessment window. The segment shall remain categorized as impaired.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Williams Creek/Upper Machodoc Creek**

TMDL Group ID: **00826**

VAN-A30E_WLL01A02	Williams Creek	KING GEORGE CO	The boundaries of the condemned area are described in VDH Notice and Description of Shellfish Area Condemnation Number 001A-36, Upper Machodoc Creek, Section C, effective July 15, 2004. Portion of CBP segment POTMH.

VA Overall AU Category: **5A**

Use	Impairment	0.13 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		00826	**1998**	**2010**	The shellfishing use is categorized as impaired due to a Virginia Department of Health, Division of Shellfish Sanitation, Notice and Description of Shellfish Area Condemnation Number 001A-036, Upper Machodoc Creek. The advisory, dated 7/15/04, states, "It shall be unlawful for any person, firm, or corporation to take shellfish from these areas for any purpose, except by permit granted by the Marine Resources Commission, as provided in Section 28.2-810 of the Code of Virginia."

Sources: Source Unknown

TMDL Watershed Name: **Willow Brook**

TMDL Group ID: **50241**

VAV-B55R_WLO01A06	Willow Brook	WARREN CO	Willow Brook from the headwaters downstream to its confluence with the Shenandoah River.

VA Overall AU Category: **5A**

Use	Impairment	3.98 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		50241	**2006**	**2018**	Newly listed for bacteria in 2006.

Sources: Non-Point Source
Wildlife Other than Waterfowl

TMDL Watershed Name: **Wolf Run**

TMDL Group ID: **01607**

VAV-B18R_WFR01A02	Wolf Run	AUGUSTA CO ROCKINGHAM CO	Wolf Run from the Forest Service Road crossing downstream to its confluence with Briery Branch.

VA Overall AU Category: **5A**

Use	Impairment	1.13 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		01607	**2002**	**2014**	

Sources: Atmospheric Deposition - Acidity

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Wolf Run**

TMDL Group ID: **01607**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAV-B18R_WFR02A02	Wolf Run	AUGUSTA CO	Wolf Run from the headwaters downstream to the Forest Service Road crossing.

VA Overall AU Category: **5A**

Use	Impairment	1.98 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		01607	**2004**	**2016**	

Sources: Atmospheric Deposition - Acidity

TMDL Group ID: **50054**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAV-B18R_WFR01A02	Wolf Run	AUGUSTA CO ROCKINGHAM CO	Wolf Run from the Forest Service Road crossing downstream to its confluence with Briery Branch.

VA Overall AU Category: **5A**

Use	Impairment	1.13 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		50054	**2006**	**2018**	Newly listed for pH in 2006.

Sources: Atmospheric Deposition - Acidity

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAV-B18R_WFR02A02	Wolf Run	AUGUSTA CO	Wolf Run from the headwaters downstream to the Forest Service Road crossing.

VA Overall AU Category: **5A**

Use	Impairment	1.98 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		50054	**2006**	**2018**	Newly listed for pH in 2006.

Sources: Atmospheric Deposition - Acidity

TMDL Group ID: **60062**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAN-A24R_WOL01A06	Wolf Run	FAIRFAX CO	Segment begins at the confluence with Maple Branch and continues downstream until the end of the free-flowing waters at the inundated waters of the Occoquan Reservoir.

VA Overall AU Category: **5A**

Use	Impairment	2.17 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		60062	**2006**	**2018**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (3 of 12 samples - 25.0%) were recorded at DEQ's ambient water quality monitoring station (1AWOL001.26) at the Route 643 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Wrights Cove**

TMDL Group ID: **00944**

VAP-A34E_WRS01A04	Wrights Cove	NORTHUMBERLAND CO	Described in VDH-DSS Shellfish Condemnation 145B, 11/27/2002
			POTMH

VA Overall AU Category: **5A**

Use	Impairment	0.04 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		00944	**2004**	**2016**	VAP-A34E-22

Wrights Cove was considered impaired in 2004 because of VDH-DSS Shellfish Condemnation 145B, 11/27/2002. During the 2006 cycle, the Glebe Creek impairment was expanded and the segment is now included as a portion of condemnation 008-213B, 12/29/2003

Sources: Source Unknown

Note: * Includes Category 4A and 4C Impairments within each Assessment Unit. Assessment Units may extend across jurisdictional boundaries.

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Almond Creek**

TMDL Group ID: **00334**

VAP-G01R_ALM01A98	Almond Creek	HENRICO CO	Almond Creek from its headwaters to the James River.

VA Overall AU Category: **5A**

Use	Impairment	2.26 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		00334	**2004**	**2016**	VAP-G01R-02

In 2004, the segment was also considered impaired of the Aquatic Life uses due to pH violations at 2-ALM000.42 as well as pH violations at station located downstream of the BFI landfill (2-XVO000.10 and 2-XVP000.04). The pH TMDL is due in 2016. The impairments continued in the 2006 cycle.

Sources: Landfills

TMDL Group ID: **01128**

VAP-G01R_ALM01A98	Almond Creek	HENRICO CO	Almond Creek from its headwaters to the James River.

VA Overall AU Category: **5A**

Use	Impairment	2.26 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		01128	**2006**	**2010**	VAP-G01R-02

Almond Creek was assessed not supporting of the Recreation use support goal based on a fecal coliform standard violation rate of 9/20 recorded at the Route 5 bridge (2-ALM000.42). During the 2006 cycle, E. coli was added as an impairment because of a violation rate of 3/8 at 2-ALM000.42. The segment has been listed since the 1998 cycle, therefore the TMDL is due in 2010.

Sources: Source Unknown

Recreation	**Fecal Coliform**		01128	**1998**	**2010**	VAP-G01R-02

Almond Creek was assessed not supporting of the Recreation use support goal based on a fecal coliform standard violation rate of 9/20 recorded at the Route 5 bridge (2-ALM000.42). During the 2006 cycle, E. coli was added as an impairment because of a violation rate of 3/8 at 2-ALM000.42. The segment has been listed since the 1998 cycle, therefore the TMDL is due in 2010.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Appomattox River**

TMDL Group ID: **50091**

VAC-J01R_APP01A02 **Appomattox River** APPOMATTOX CO Appomattox River from Suanee Creek to the Appomattox/Buckingham county line

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	5.94 MILES	50091	**2004**	**2004**	

Sources: Source Unknown

VAC-J01R_APP02A02 **Appomattox River** APPOMATTOX CO Appomattox River from Appomattox/Buckingham county line to Vaughan's Creek

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	10.77 MILES	50091	**2006**	**2018**	

Sources: Non-Point Source

TMDL Watershed Name: **Appomattox River, Lower**

TMDL Group ID: **00044**

VAP-J15R_APP01A98 **Appomattox River** CHESTERFIELD CO PETERSBURG CITY The Appomattox River from the Lake Chesdin dam to the fall line at the Route 1/301 bridge.

VA Overall AU Category: **5D**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	8.17 MILES	00044	**2002**	**2004**	Cat 4A - Fecal coliform/E.coli. 00044 (FC) VAP-J15R-01 In 2002, this segment was originally listed for fecal coliform violations at 2-APP012.79. The bacteria TMDL for the Appomattox River was completed and approved by EPA on 8/30/2004. The segment should be assessed as Cat. 4A, however the EPA TMDLID was not available at the time of assessment. In 2006, the bacteria impairment switched from fecal coliform to E. coli.

Sources: Agriculture
Municipal Point Source Discharges
Non-Point Source

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Appomattox River, Lower and Ashton Creek**

TMDL Group ID: **01761**

VAP-J15E_APP01A98 — **Lower Appomattox River/Ashton Creek** — CHESTERFIELD CO, PRINCE GEORGE CO

The estuarine Appomattox River from the fall line to river mile 5.0.

APPTF.

VA Overall AU Category: **5D**

Use	Impairment	0.94 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		01761	**2002**	**2014**	01761 (PCBs) VAP-G01E-03 The Appomattox River was listed in 2002 as not supporting for Fish Consumption due to PCBs in fish tissue from DEQ monitoring. The Appomattox River from the Lake Chesdin dam downstream to the mouth is now included in the James River Basin VDH PCB Fish Consumption Advisory that was issued on 12/13/2004. No more than 2 meals/month of fish from these waterbody boundaries are recommended.

Sources: Source Unknown

VAP-J15E_APP02A98 — **Appomattox River** — CHESTERFIELD CO, PRINCE GEORGE CO

The estuarine portion of the Appomattox River from river mile 5.0 to the confluence with the James River.

APPTF.

VA Overall AU Category: **5D**

Use	Impairment	1.63 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		01761	**2002**	**2014**	01761 (PCBs) VAP-G01E-03 During the 2002 cycle the segment was initially listed as impaired of the fish consumption use because of PCBs in fish tissue in DEQ monitoring performed in 1997 and 2001. The PCB TMDL is due in 2014. On 12/13/2004, VDH issued a Fish Consumption Advisory for the James River Basin for PCBs in fish tissue. This advisory includes the Appomattox River from the dam at Lake Chesdin downstream to its mouth at the James River. No more than 2 meal/month of the fish from this portion of the river are recommended.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Appomattox River, Lower and Ashton Creek**

TMDL Group ID: **01761**

VAP-J15R_APP01A98	Appomattox River	CHESTERFIELD CO PETERSBURG CITY	The Appomattox River from the Lake Chesdin dam to the fall line at the Route 1/301 bridge.

VA Overall AU Category: **5D**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	8.17 MILES	01761	**2006**	**2018**	01761 (PCBs) VAP-G01E-03 Based on the James River Basin - VDH Fish Consumption Advisory for PCBs in fish tissue that was issued on 12/13/2004, no more than two meals/month are recommended of fish from the mainstem Appomattox River from dam at Lake Chesdin down the mouth at the James River.

Sources: Source Unknown

TMDL Watershed Name: **Appomattox River, Lower and Tributaries**

TMDL Group ID: **00043**

VAP-J15E_APP01A98	Lower Appomattox River/Ashton Creek	CHESTERFIELD CO PRINCE GEORGE CO	The estuarine Appomattox River from the fall line to river mile 5.0. APPTF.

VA Overall AU Category: **5D**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	0.94 SQUARE MILES	00043	**1998**	**2004**	Cat 4A: Fecal coliform/E.coli 00043 (FC) VAP-J15E-01, In 1998, this segment was listed for fecal coliform violations. The bacteria TMDL Development for the Appomattox River was completed and approved by EPA on 8/30/2004. The segment should be assessed as Cat. 4A, however the EPA TMDLID was not available at the time of assessment. In 2006, the bacteria impairment switched from fecal coliform to E. coli.

Sources: Agriculture
Municipal Point Source Discharges
Non-Point Source

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Appomattox River, Lower and Tributaries**

TMDL Group ID: **00043**

VAP-J15E_APP02A98	Appomattox River	CHESTERFIELD CO PRINCE GEORGE CO	The estuarine portion of the Appomattox River from river mile 5.0 to the confluence with the James River. APPTF.

VA Overall AU Category: **5D**

Use	Impairment	1.63 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		00043	**1998**	**2004**	Cat 4A: Fecal coliform/E.coli 00043 (FC) VAP-J15E-01 In 1998, this segment was listed for fecal coliform violations. The bacteria TMDL Development for the Appomattox River was completed and approved by EPA on 8/30/2004. The segment should be assessed as Cat. 4A, however the EPA TMDLID was not available at the time of assessment. In 2006, the bacteria impairment switched from fecal coliform to E. coli.

Sources: Agriculture
Municipal Point Source Discharges
Non-Point Source

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Appomattox River, Lower and Tributaries**

TMDL Group ID: **15008**

VAP-J15E_APP01A98	Lower Appomattox River/Ashton Creek	CHESTERFIELD CO PRINCE GEORGE CO	The estuarine Appomattox River from the fall line to river mile 5.0. APPTF.

VA Overall AU Category: **5D**

Use	Impairment	0.94 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		15008	**2006**	**2010**	15008 (SAV) VAP-J15E-02 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The Appomattox River Tidal Fresh segment (APPTF) failed the Submerged Aquatic Vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		15008	**2006**	**2010**	15008 (SAV) VAP-J15E-02 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The Appomattox River Tidal Fresh segment (APPTF) failed the Submerged Aquatic Vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Appomattox River, Lower and Tributaries**

TMDL Group ID: **15008**

VAP-J15E_APP02A98	Appomattox River	CHESTERFIELD CO PRINCE GEORGE CO	The estuarine portion of the Appomattox River from river mile 5.0 to the confluence with the James River. APPTF.

VA Overall AU Category: **5D**

Use	Impairment	1.63 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		15008	**2006**	**2010**	15008 (SAV) VAP-J15E-02 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The Appomattox River Tidal Fresh segment (APPTF) failed the Submerged Aquatic Vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		15008	**2006**	**2010**	15008 (SAV) VAP-J15E-02 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The Appomattox River Tidal Fresh segment (APPTF) failed the Submerged Aquatic Vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Appomattox River, Lower and Tributaries**

TMDL Group ID: **15008**

VAP-J17E_SFT01D04	Swift Creek	CHESTERFIELD CO COLONIAL HEIGHTS CITY	Tidal Swift Creek from the confluence with Timsbury Creek downstream to the mouth at the Appomattox River APPTF.

VA Overall AU Category: **5A**

Use	Impairment	0.09 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		15008	**2006**	**2010**	15008 (SAV) VAP-J15E-02 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The Appomattox River Tidal Fresh segment (APPTF) failed the Submerged Aquatic Vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		15008	**2006**	**2010**	15008 (SAV) VAP-J15E-02 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The Appomattox River Tidal Fresh segment (APPTF) failed the Submerged Aquatic Vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Appomattox River, Lower and Tributaries**

TMDL Group ID: **15008**

VAP-J17E_ZZZ02A02	Unsegmented portion in J17E watershed	CHESTERFIELD CO	Unsegmented portion of J17E watershed HUC: 02080207 APPTF

VA Overall AU Category: **5A**

Use	Impairment	0.05 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		15008	**2006**	**2010**	15008 (SAV) VAP-J15E-02 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The Appomattox River Tidal Fresh segment (APPTF) failed the Submerged Aquatic Vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		15008	**2006**	**2010**	15008 (SAV) VAP-J15E-02 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The Appomattox River Tidal Fresh segment (APPTF) failed the Submerged Aquatic Vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Appomattox River, Lower and Tributaries**

TMDL Group ID: **85000**

VAP-J15R_HRA01A04	Harrison Creek	CHESTERFIELD CO COLONIAL HEIGHTS CITY	Headwaters to mouth at Appomattox River.

VA Overall AU Category: **5A**

Use	Impairment	2.39 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		85000	**2006**	**2016**	00043 (FC) VAP-J15R-03 In 2004, the segment was listed as not supporting for recreation use due to fecal coliform violations rate at USGS Stations 02041758 and 02041760. In 2006, E. coli. was added as an impairment due to a violation rate of 2/4 recorded at monitoring station 2-HRA000.85.
		Sources: Source Unknown				
Recreation	**Fecal Coliform**		85000	**2004**	**2016**	00043 (FC) VAP-J15R-03 In 2004, the segment was listed as not supporting for recreation use due to fecal coliform violations rate at USGS Stations 02041758 and 02041760. In 2006, E. coli. was added as an impairment due to a violation rate of 2/4 recorded at monitoring station 2-HRA000.85.
		Sources: Source Unknown				

VAP-J15R_POR01A04	Poor Creek	PETERSBURG CITY	Headwaters to mouth at Appomattox River

VA Overall AU Category: **5A**

Use	Impairment	3.13 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		85000	**2004**	**2016**	00043 (FC) VAP-J15R-04 Poor Creek was initially listed in 2004 for fecal coliform violations at USGS station 02041745.
		Sources: Source Unknown				

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Ashton Creek**

TMDL Group ID: **15012**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-J15R_ASH01A06	**Ashton Creek**	CHESTERFIELD CO	Headwaters to mouth at Appomattox River 02080207

VA Overall AU Category: **5A**

Use	Impairment	8.48 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		15012	**2006**	**2018**	15012 (E.coli) VAP-J15R-04 In 2006, this segment was assessed as not supporting for the recreation use due to an E. coli violation rate of 2/9 at the Rt. 746 bridge (2-ASH001.26).

Sources: Source Unknown

TMDL Watershed Name: **Austin Creek**

TMDL Group ID: **00734**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAC-H21R_AUS01A00	**Austin Creek**	BUCKINGHAM CO	Austin Creek from the headwaters to the mouth at the North River.

VA Overall AU Category: **5A**

Use	Impairment	6.14 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		00734	**2004**	**2008**	

Sources: Non-Point Source

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Bailey Creek**

TMDL Group ID: **00339**

VAP-G03R_BLY01A98	Bailey Creek	HOPEWELL CITY PRINCE GEORGE CO	Bailey Creek from its headwaters to the fall line at approximately river mile 1.

VA Overall AU Category: **5A**

Use	Impairment	6.54 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		00339	**1998**	**2010**	VAP-G03R-02

Bailey Creek was initially included on the 303(d) list in 1994 based on water quality monitoring performed at the Route 10 bridge (2-BLY000.65) and historical water quality problems in Bailey Bay. The causes of impairment were excessive DO and fecal coliform standard violations recorded at 2-BLY000.65.

A special study was performed in 1997 and 1998 to delineate the area of impact. The tidal station 2-BLY000.65 continues to show impairment, however the riverine stations in Bailey Creek did not show impairment for dissolved oxygen in the 2002 cycle, therefore dissolved oxygen was removed as an impairment during the 2004 cycle. It continued to show fecal coliform impairment.

There has been no additional monitoring in the segment since 2000, therefore the previous assessment is carried over to 2006.

Sources: Source Unknown

TMDL Group ID: **00526**

VAP-G03R_BLY01A98	Bailey Creek	HOPEWELL CITY PRINCE GEORGE CO	Bailey Creek from its headwaters to the fall line at approximately river mile 1.

VA Overall AU Category: **5A**

Use	Impairment	6.54 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**Aldrin**		00526	**2002**	**2014**	VAP-G03R-02

The non-tidal portion of Bailey Creek was assessed in the 2002 cycle as impaired of the Fish Consumption Use goal because of exceedances of the human health screening levels for PCBs and aldrin in fish studies at station 2-BLY005.72 in 1997. Heptachlor epoxide was found in one species, so is considered an "observed effect." The TMDLs for aldrin and PCBs in fish are due in 2014.

There has been no additional monitoring in the segment since 2000, therefore the previous assessment is carried over to 2006.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Bailey Creek**

TMDL Group ID: **00589**

VAP-G03R_BLY01A98	Bailey Creek	HOPEWELL CITY PRINCE GEORGE CO	Bailey Creek from its headwaters to the fall line at approximately river mile 1.

VA Overall AU Category: **5A**

Use	Impairment	6.54 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		00589	**2002**	**2014**	VAP-G03R-02

The non-tidal portion of Bailey Creek was assessed in the 2002 cycle as impaired of the Fish Consumption Use goal because of exceedances of the human health screening levels for PCBs and aldrin in fish studies at station 2-BLY005.72 in 1997. Heptachlor epoxide was found in one species, so is considered an "observed effect." The TMDLs for aldrin and PCBs in fish are due in 2014.

There has been no additional monitoring in the segment since 2000, therefore the previous assessment is carried over to 2006.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Bailey Creek (tidal), Cattail Creek (tidal) (JMSTFL)**

TMDL Group ID: **01782**

VAP-G02E_JMS03A06	**James River**	CHARLES CITY CO HOPEWELL CITY	The James River and the tidal portion of all tributaries from the upstream extent of JMSTFI to the downstream extent of PWS. JMSTFI

VA Overall AU Category: **5A**

Use	Impairment	0.75 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01782	**2006**	**2010**	VAP-G03E-02

The James River from the Appomattox River to the Chickahominy River was originally listed on the 1998 list as fully supporting but threatened of the Aquatic Life Use goal based on chlorophyll a violations. During the 1998 cycle, EPA extended the segment upstream to the fall line and downgraded the river to not supporting the Aquatic Life Use, citing nutrient concerns.

In previous cycles, the mainstem James River had acceptable dissolved oxygen levels. In addition the entire tidal freshwater portion (fall line to just above the Chickahominy River) has good benthic community based on the results from the Chesapeake Bay Benthic Index of Biological Community; therefore the James River from the fall line to the oligohaline boundary was considered impaired solely for Nutrients/Eutrophication Biological Indicators (EPA Overlist).

During the 2006 cycle, the CB water quality standards were implemented. The Lower Tidal Freshwater James River failed the Shallow Water Use SAV acreage requirements. However, it also failed the 30-day Open Water summer dissolved oxygen criteria. There was insufficient information to assess the other OW criteria or the Migratory Spawning Use.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Bailey Creek (tidal), Cattail Creek (tidal) (JMSTFL)**

TMDL Group ID: **01782**

Open-Water Aquatic Life	**Oxygen, Dissolved**	01782	**2006**	**2010**	VAP-G03E-02

The James River from the Appomattox River to the Chickahominy River was originally listed on the 1998 list as fully supporting but threatened of the Aquatic Life Use goal based on chlorophyll a violations. During the 1998 cycle, EPA extended the segment upstream to the fall line and downgraded the river to not supporting the Aquatic Life Use, citing nutrient concerns.

In previous cycles, the mainstem James River had acceptable dissolved oxygen levels. In addition the entire tidal freshwater portion (fall line to just above the Chickahominy River) has good benthic community based on the results from the Chesapeake Bay Benthic Index of Biological Community; therefore the James River from the fall line to the oligohaline boundary was considered impaired solely for Nutrients/Eutrophication Biological Indicators (EPA Overlist).

During the 2006 cycle, the CB water quality standards were implemented. The Lower Tidal Freshwater James River failed the Shallow Water Use SAV acreage requirements. However, it also failed the 30-day Open Water summer dissolved oxygen criteria. There was insufficient information to assess the other OW criteria or the Migratory Spawning Use.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Bailey Creek (tidal), Cattail Creek (tidal) (JMSTFL)**

TMDL Group ID: **01782**

VAP-G02E_XGJ01A06	UT to James River	CHESTERFIELD CO	To mouth at the Appomattox River.
			JMSTFI

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01782	**2006**	**2010**	VAP-G03E-02 During the 2006 cycle, the CB water quality standards were implemented. The Lower Tidal Freshwater James River failed the 30-day Open Water summer dissolved oxygen criteria. There was insufficient information to assess the other OW criteria or the Migratory Spawning Use.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01782	**2006**	**2010**	VAP-G03E-02 During the 2006 cycle, the CB water quality standards were implemented. The Lower Tidal Freshwater James River failed the 30-day Open Water summer dissolved oxygen criteria. There was insufficient information to assess the other OW criteria or the Migratory Spawning Use.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Bailey Creek (tidal), Cattail Creek (tidal) (JMSTFL)**

TMDL Group ID: **01782**

VAP-G02E_XGK01A06	UT to James River	CHESTERFIELD CO	Tidal limit to mouth near Appomattox River
			JMSTFI

VA Overall AU Category: **5A**

Use	Impairment	0.81 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01782	**2006**	**2010**	VAP-G03E-02 During the 2006 cycle, the CB water quality standards were implemented. The Lower Tidal Freshwater James River failed the 30-day Open Water summer dissolved oxygen criteria. There was insufficient information to assess the other OW criteria or the Migratory Spawning Use.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01782	**2006**	**2010**	VAP-G03E-02 During the 2006 cycle, the CB water quality standards were implemented. The Lower Tidal Freshwater James River failed the 30-day Open Water summer dissolved oxygen criteria. There was insufficient information to assess the other OW criteria or the Migratory Spawning Use.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Bailey Creek (tidal), Cattail Creek (tidal) (JMSTFL)**

TMDL Group ID: **01782**

VAP-G03E_BLY01A98	**Bailey Creek/Cattail Creek**	HOPEWELL CITY PRINCE GEORGE CO	The tidal portions of Bailey Creek and Cattail Creek. JMSTFI

VA Overall AU Category: **5A**

Use	Impairment	0.29 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01782	**1998**	**2010**	VAP-G03E-04 The segment was initially listed on the 1994 cycle 303(d) list because of excessive violations of the dissolved oxygen, fecal coliform, and ammonia standards. The segment has been previously assessed as not supporting the Aquatic Life use because of dissolved oxygen violations at 2-BLY000.65. During the 2006 cycle, the CB water quality standards were implemented. The Lower Tidal Freshwater James River failed the Shallow Water Use SAV acreage requirements and the 30-day Open Water summer dissolved oxygen criteria. There was insufficient information to assess the other OW criteria or the Migratory Spawning Use.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01782	**1998**	**2010**	VAP-G03E-04 The segment was initially listed on the 1994 cycle 303(d) list because of excessive violations of the dissolved oxygen, fecal coliform, and ammonia standards. The segment has been previously assessed as not supporting the Aquatic Life use because of dissolved oxygen violations at 2-BLY000.65. During the 2006 cycle, the CB water quality standards were implemented. The Lower Tidal Freshwater James River failed the Shallow Water Use SAV acreage requirements and the 30-day Open Water summer dissolved oxygen criteria.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Bailey Creek (tidal), Cattail Creek (tidal) (JMSTFL)**

TMDL Group ID: **01782**

VAP-G03E_GRV01A02	Gravelly Run	HOPEWELL CITY	Tidal limit to mouth at James River
			JMSTFI

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01782	**2006**	**2010**	VAP-G03E-02 During the 2006 cycle, the CB water quality standards were implemented. The Lower Tidal Freshwater James River failed the 30-day Open Water summer dissolved oxygen criteria. There was insufficient information to assess the other OW criteria or the Migratory Spawning Use.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01782	**2006**	**2010**	VAP-G03E-02 During the 2006 cycle, the CB water quality standards were implemented. The Lower Tidal Freshwater James River failed the 30-day Open Water summer dissolved oxygen criteria. There was insufficient information to assess the other OW criteria or the Migratory Spawning Use.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Bailey Creek (tidal), Cattail Creek (tidal) (JMSTFL)**

TMDL Group ID: **01782**

VAP-G03E_JMS01A00	**James River**	CHARLES CITY CO PRINCE GEORGE CO	The mainstem of the James River from the confluence with the Appomattox River downstream to Queens Creek. Now incorporates previous segments JMS02A00 and JMS03A02 JMSTFI

VA Overall AU Category: **5A**

Use	Impairment	13.82 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01782	**2006**	**2010**	VAP-G03E-02

The James River from the Appomattox River to the Chickahominy River was originally listed on the 1998 list as fully supporting but threatened of the Aquatic Life Use goal based on chlorophyll a violations. During the 1998 cycle, EPA extended the segment upstream to the fall line and downgraded the river to not supporting the Aquatic Life Use, citing nutrient concerns.

In previous cycles, the mainstem James River had acceptable dissolved oxygen levels. In addition the entire tidal freshwater portion (fall line to just above the Chickahominy River) has good benthic community based on the results from the Chesapeake Bay Benthic Index of Biological Community; therefore the James River from the fall line to the oligohaline boundary was considered impaired solely for Nutrients/Eutrophication Biological Indicators (EPA Overlist).

During the 2006 cycle, the CB water quality standards were implemented. The Lower Tidal Freshwater James River failed the Shallow Water Use SAV acreage requirements. However, it also failed the 30-day Open Water summer dissolved oxygen criteria. There was insufficient information to assess the other OW criteria or the Migratory Spawning Use.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Bailey Creek (tidal), Cattail Creek (tidal) (JMSTFL)**

TMDL Group ID: **01782**

Open-Water Aquatic Life	**Oxygen, Dissolved**	01782	**2006**	**2010**	VAP-G03E-02

The James River from the Appomattox River to the Chickahominy River was originally listed on the 1998 list as fully supporting but threatened of the Aquatic Life Use goal based on chlorophyll a violations. During the 1998 cycle, EPA extended the segment upstream to the fall line and downgraded the river to not supporting the Aquatic Life Use, citing nutrient concerns.

In previous cycles, the mainstem James River had acceptable dissolved oxygen levels. In addition the entire tidal freshwater portion (fall line to just above the Chickahominy River) has good benthic community based on the results from the Chesapeake Bay Benthic Index of Biological Community; therefore the James River from the fall line to the oligohaline boundary was considered impaired solely for Nutrients/Eutrophication Biological Indicators (EPA Overlist).

During the 2006 cycle, the CB water quality standards were implemented. The Lower Tidal Freshwater James River failed the Shallow Water Use SAV acreage requirements. However, it also failed the 30-day Open Water summer dissolved oxygen criteria. There was insufficient information to assess the other OW criteria or the Migratory Spawning Use.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Bailey Creek (tidal), Cattail Creek (tidal) (JMSTFL)**

TMDL Group ID: **01782**

VAP-G03E_PTH01A00	**Poythress Run**	HOPEWELL CITY	The tidal portion of Poythress Run. JMSTFI

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01782	**2006**	**2010**	VAP-G03E-02 During the 2006 cycle, the CB water quality standards were implemented. The Lower Tidal Freshwater James River failed the 30-day Open Water summer dissolved oxygen criteria. There was insufficient information to assess the other OW criteria or the Migratory Spawning Use.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01782	**2006**	**2010**	VAP-G03E-02 During the 2006 cycle, the CB water quality standards were implemented. The Lower Tidal Freshwater James River failed the 30-day Open Water summer dissolved oxygen criteria. There was insufficient information to assess the other OW criteria or the Migratory Spawning Use.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Bailey Creek (tidal), Cattail Creek (tidal) (JMSTFL)**

TMDL Group ID: **01782**

VAP-G03E_PWL01A02	Powell Creek	PRINCE GEORGE CO	The estuarine portion of Powell Creek. JMSTFI

VA Overall AU Category: **5A**

Use	Impairment	0.25 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01782	**2006**	**2010**	VAP-G03E-02 During the 2006 cycle, the CB water quality standards were implemented. The Lower Tidal Freshwater James River failed the 30-day Open Water summer dissolved oxygen criteria. There was insufficient information to assess the other OW criteria or the Migratory Spawning Use.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01782	**2006**	**2010**	VAP-G03E-02 During the 2006 cycle, the CB water quality standards were implemented. The Lower Tidal Freshwater James River failed the 30-day Open Water summer dissolved oxygen criteria. There was insufficient information to assess the other OW criteria or the Migratory Spawning Use.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Bailey Creek (tidal), Cattail Creek (tidal) (JMSTFL)**

TMDL Group ID: **01782**

VAP-G03E_QEE01A06 **Queens Creek** CHARLES CITY CO Tidal limit to mouth

JMSTFI

VA Overall AU Category: **5A**

Use	Impairment (0.23 SQUARE MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	01782	**2006**	**2010**	VAP-G03E-02 During the 2006 cycle, the CB water quality standards were implemented. The Lower Tidal Freshwater James River failed the 30-day Open Water summer dissolved oxygen criteria. There was insufficient information to assess the other OW criteria or the Migratory Spawning Use.
	Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**	01782	**2006**	**2010**	VAP-G03E-02 During the 2006 cycle, the CB water quality standards were implemented. The Lower Tidal Freshwater James River failed the 30-day Open Water summer dissolved oxygen criteria. There was insufficient information to assess the other OW criteria or the Migratory Spawning Use.
	Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Bailey Creek (tidal), Cattail Creek (tidal) (JMSTFL)**

TMDL Group ID: **01782**

VAP-G03E_ZZZ01A00	Unsegmented estuaries in G03	CHARLES CITY CO PRINCE GEORGE CO	Unsegmented portion of watershed JMSTFI

VA Overall AU Category: **5A**

Use	Impairment	0.75 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01782	**2006**	**2010**	VAP-G03E-02 During the 2006 cycle, the CB water quality standards were implemented. The Lower Tidal Freshwater James River failed the 30-day Open Water summer dissolved oxygen criteria. There was insufficient information to assess the other OW criteria or the Migratory Spawning Use.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01782	**2006**	**2010**	VAP-G03E-02 During the 2006 cycle, the CB water quality standards were implemented. The Lower Tidal Freshwater James River failed the 30-day Open Water summer dissolved oxygen criteria. There was insufficient information to assess the other OW criteria or the Migratory Spawning Use.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Bailey Creek (tidal), Cattail Creek (tidal) (JMSTFL)**

TMDL Group ID: **01782**

VAP-G04E_BNG01A04	**Brandon Gut**	SURRY CO	Tidal portion of Brandon Gut
			JMSTFI

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01782	**2006**	**2010**	VAP-G03E-02 During the 2006 cycle, the CB water quality standards were implemented. The Lower Tidal Freshwater and Oligohaline James River failed the 30-day Open Water summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01782	**2006**	**2010**	VAP-G03E-02 During the 2006 cycle, the CB water quality standards were implemented. The Lower Tidal Freshwater and Oligohaline James River failed the 30-day Open Water summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Bailey Creek (tidal), Cattail Creek (tidal) (JMSTFL)**

TMDL Group ID: **01782**

VAP-G04E_JMS01A02	**James River**	CHARLES CITY CO PRINCE GEORGE CO	The James River from the confluence with Queens Creek downstream to Brandon Point JMSTFI

VA Overall AU Category: **5A**

Use	Impairment	7.80 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01782	**2006**	**2010**	VAP-G03E-02

The James River from the Appomattox River to the Chickahominy River was originally listed on the 1998 list as fully supporting but threatened of the Aquatic Life Use goal based on chlorophyll a violations. During the 1998 cycle, EPA extended the segment upstream to the fall line and downgraded the river to not supporting the Aquatic Life Use, citing nutrient concerns.

In previous cycles, the mainstem James River had acceptable dissolved oxygen levels. In addition the entire tidal freshwater portion (fall line to just above the Chickahominy River) has good benthic community based on the results from the Chesapeake Bay Benthic Index of Biological Community; therefore the James River from the fall line to the oligohaline boundary was considered impaired solely for Nutrients/Eutrophication Biological Indicators (EPA Overlist).

During the 2006 cycle, the CB water quality standards were implemented. The Lower Tidal Freshwater James River failed the Shallow Water Use SAV acreage requirements. However, it also failed the 30-day Open Water summer dissolved oxygen criteria. There was insufficient information to assess the other OW criteria or the Migratory Spawning Use.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Bailey Creek (tidal), Cattail Creek (tidal) (JMSTFL)**

TMDL Group ID: **01782**

Open-Water Aquatic Life	**Oxygen, Dissolved**	01782	**2006**	**2010**	VAP-G03E-02

The James River from the Appomattox River to the Chickahominy River was originally listed on the 1998 list as fully supporting but threatened of the Aquatic Life Use goal based on chlorophyll a violations. During the 1998 cycle, EPA extended the segment upstream to the fall line and downgraded the river to not supporting the Aquatic Life Use, citing nutrient concerns.

In previous cycles, the mainstem James River had acceptable dissolved oxygen levels. In addition the entire tidal freshwater portion (fall line to just above the Chickahominy River) has good benthic community based on the results from the Chesapeake Bay Benthic Index of Biological Community; therefore the James River from the fall line to the oligohaline boundary was considered impaired solely for Nutrients/Eutrophication Biological Indicators (EPA Overlist).

During the 2006 cycle, the CB water quality standards were implemented. The Lower Tidal Freshwater James River failed the Shallow Water Use SAV acreage requirements. However, it also failed the 30-day Open Water summer dissolved oxygen criteria. There was insufficient information to assess the other OW criteria or the Migratory Spawning Use.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Bailey Creek (tidal), Cattail Creek (tidal) (JMSTFL)**

TMDL Group ID: **01782**

VAP-G04E_JMS03A04	**James River**	CHARLES CITY CO SURRY CO	Brandon Point to the tidal freshwater/oligohaline boundary at approximately river mile 52.08. JMSTFI

VA Overall AU Category: **5A**

Use	Impairment	4.71 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01782	**2006**	**2010**	VAP-G03E-02

In the 2004 cycle, the James River from Brandon Point downstream to the Chickahominy River confluence was assessed as impaired of the Aquatic Life Use and Wildlife Uses due to chloride violations (see 2004 fact sheet VAP-G03E-02.) The chloride TMDL is due in 2016. In the 2006 cycle, the segment remained impaired.

The James River from the Appomattox River to the Chickahominy River was originally listed on the 1998 list as fully supporting but threatened of the Aquatic Life Use goal based on chlorophyll a violations. During the 1998 cycle, EPA extended the segment upstream to the fall line and downgraded the river to not supporting the Aquatic Life Use, citing nutrient concerns.

In previous cycles, the mainstem James River had acceptable dissolved oxygen levels. In addition the entire tidal freshwater portion (fall line to just above the Chickahominy River) has good benthic community based on the results from the Chesapeake Bay Benthic Index of Biological Community; therefore the James River from the fall line to the oligohaline boundary was considered impaired solely for Nutrients/Eutrophication Biological Indicators (EPA Overlist).

During the 2006 cycle, the CB water quality standards were implemented. The Lower Tidal Freshwater James River failed the Shallow Water Use SAV acreage requirements. However, it also failed the 30-day Open Water summer dissolved oxygen criteria.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Bailey Creek (tidal), Cattail Creek (tidal) (JMSTFL)**

TMDL Group ID: **01782**

Open-Water Aquatic Life	**Oxygen, Dissolved**	01782	**2006**	**2010**	VAP-G03E-02

The James River from the Appomattox River to the Chickahominy River was originally listed on the 1998 list as fully supporting but threatened of the Aquatic Life Use goal based on chlorophyll a violations. During the 1998 cycle, EPA extended the segment upstream to the fall line and downgraded the river to not supporting the Aquatic Life Use, citing nutrient concerns.

In previous cycles, the mainstem James River had acceptable dissolved oxygen levels. In addition the entire tidal freshwater portion (fall line to just above the Chickahominy River) has good benthic community based on the results from the Chesapeake Bay Benthic Index of Biological Community; therefore the James River from the fall line to the oligohaline boundary was considered impaired solely for Nutrients/Eutrophication Biological Indicators (EPA Overlist).

During the 2006 cycle, the CB water quality standards were implemented. The Lower Tidal Freshwater James River failed the Shallow Water Use SAV acreage requirements. However, it also failed the 30-day Open Water summer dissolved oxygen criteria.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Bailey Creek (tidal), Cattail Creek (tidal) (JMSTFL)**

TMDL Group ID: **01782**

VAP-G04E_KEN01A06	Kennon Creek	CHARLES CITY CO	Tidal limit to mouth
			JMSTFI

VA Overall AU Category: **5A**

Use	Impairment	0.05 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01782	**2006**	**2010**	VAP-G03E-02 During the 2006 cycle, the CB water quality standards were implemented. The Lower Tidal Freshwater James River failed the 30-day Open Water summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01782	**2006**	**2010**	VAP-G03E-02 During the 2006 cycle, the CB water quality standards were implemented. The Lower Tidal Freshwater James River failed the 30-day Open Water summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Bailey Creek (tidal), Cattail Creek (tidal) (JMSTFL)**

TMDL Group ID: **01782**

VAP-G04E_UCK01A06	**Upper Chippokes Creek**	PRINCE GEORGE CO SURRY CO	Tidal limit to mouth at James River JMSTFI

VA Overall AU Category: **5A**

Use	Impairment	0.99 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01782	**2006**	**2010**	VAP-G03E-02 During the 2006 cycle, the CB water quality standards were implemented. The Lower Tidal Freshwater James River failed the 30-day Open Water summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01782	**2006**	**2010**	VAP-G03E-02 During the 2006 cycle, the CB water quality standards were implemented. The Lower Tidal Freshwater James River failed the 30-day Open Water summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Bailey Creek (tidal), Cattail Creek (tidal) (JMSTFL)**

TMDL Group ID: **01782**

VAP-G04E_ZZZ01A00	Unsegmented estuaries in G04	CHARLES CITY CO SURRY CO	Unsegmented portion of watershed JMSTFI

VA Overall AU Category: **5A**

Use	Impairment	0.37 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01782	**2006**	**2010**	VAP-G03E-02 During the 2006 cycle, the CB water quality standards were implemented. The Lower Tidal Freshwater and Oligohaline James River segments failed the 30-day Open Water summer dissolved oxygen criteria.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01782	**2006**	**2010**	VAP-G03E-02 During the 2006 cycle, the CB water quality standards were implemented. The Lower Tidal Freshwater and Oligohaline James River failed the 30-day Open Water summer dissolved oxygen criteria.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Bailey Creek/Cattail Creek**

TMDL Group ID: **00335**

VAP-G03E_BLY01A98	Bailey Creek/Cattail Creek	HOPEWELL CITY PRINCE GEORGE CO	The tidal portions of Bailey Creek and Cattail Creek. JMSTFI

VA Overall AU Category: **5A**

Use	Impairment	0.29 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00335	**1998**	**2010**	VAP-G03E-01 The segment was initially listed on the 1994 cycle 303(d) list because of excessive violations of the dissolved oxygen, fecal coliform, and ammonia standards. For the 2006 303(d) list, the segment continues to be assessed as not supporting of the Recreation Use goal based on an E. coli violation rate of 4/23 at 2-BLY000.65. The TMDL is due in 2010.

Sources: Industrial Point Source Discharge
Municipal Point Source Discharges
Non-Point Source
Source Unknown

TMDL Group ID: **00587**

VAP-G03E_BLY01A98	Bailey Creek/Cattail Creek	HOPEWELL CITY PRINCE GEORGE CO	The tidal portions of Bailey Creek and Cattail Creek. JMSTFI

VA Overall AU Category: **5A**

Use	Impairment	0.29 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		00587	**2002**	**2014**	VAP-G01E-03 The segment was assessed not supporting of the Fish Consumption Use beginning in 2002 because of PCBs in fish tissue during monitoring in 1997 and 2001. In addition, during the 2006 cycle, the VDH restriction for PCBs in the James River was extended on 12/13/2004 and now includes the tidal portions of several tributaries, including Bailey Creek up to Route 630.

Sources: Contaminated Sediments
Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Bailey Creek/Cattail Creek**

TMDL Group ID: **01142**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-G03E_BLY01A98	**Bailey Creek/Cattail Creek**	HOPEWELL CITY PRINCE GEORGE CO	The tidal portions of Bailey Creek and Cattail Creek. JMSTFI

VA Overall AU Category: **5A**

Use	Impairment	0.29 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		01142	**2004**	**2016**	VAP-G03E-01 pH violations were experienced at Hopewell Region Monitoring and Assessment Project (HERMA) stations during the 1998-1999. Although the pH violation rate upstream at 2-BLY000.65 was 0/38, the segment should remain listed due to the downstream HERMA stations.

Sources: Industrial Point Source Discharge
Municipal Point Source Discharges
Source Unknown

TMDL Watershed Name: **Ballard Creek - Upper (Tributary to James River)**

TMDL Group ID: **76700**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAT-G11E_BAL01A06	**Ballard Creek - Upper (Tributary to James River)**	ISLE OF WIGHT CO	South shore tributary to James R., upstream of James R. Bridge. North of Ragged Isand area. From end of tidal waters downstream to end of DSS shellfish direct harvesting condemnation # 062- 164 A. Portion of CBP segment JMSMH.

VA Overall AU Category: **5A**

Use	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		76700	**2006**	**2010**	DSS shellfish direct harvesting condemnation # 061- 064 A.

Sources: Source Unknown

TMDL Watershed Name: **Ballinger Creek**

TMDL Group ID: **01656**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAV-H17R_BLR01A00	**Ballinger Creek**	ALBEMARLE CO	Ballanger Creek from the headwaters downstream to its confluence with the James River.

VA Overall AU Category: **5A**

Use	Impairment	9.91 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		01656	**2004**	**2016**	

Sources: Non-Point Source
Wildlife Other than Waterfowl

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Baptist Run**

TMDL Group ID: **01509**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAT-G11R_BAP01A04	**Baptist Run**	YORK CO	Located south of Lackey. Segment begins at outflow of pond upstream of station at Crawford Drive extending downstream to confluence with Great Run and Beaverdam Creek.

VA Overall AU Category: **5A**

Use	Impairment	1.70 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		01509	**2004**	**2016**	The Recreation Use is impaired (2 violates / 2 observations) based on exceedance of the DEQ Fecal Coliform bacteria instantaneous maximum criteria.

Sources: Source Unknown

TMDL Watershed Name: **Barbours Creek**

TMDL Group ID: **50036**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAW-I23R_BAR01A02	**Barbours Creek**	CRAIG CO	Barbours Creek mainstem from the Watershed Boundary with I22 at the mouth of Valley Branch upstream to the confluence of the South Prong Barbours Creek.

VA Overall AU Category: **5C**

Use	Impairment	6.32 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Temperature, water**		50036	**2006**	**2018**	Category 5C

Sources: Source Unknown

TMDL Watershed Name: **Barbours Creek, Lower**

TMDL Group ID: **01696**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAW-I22R_BAR01A00	**Barbours Creek Lower**	CRAIG CO	Barbours Creek from its mouth on Craig Creek upstream to the I23 Watershed Boundary located just downstream of the Rt. 617 and 611 junction at the mouth of Valley Branch.

VA Overall AU Category: **5A**

Use	Impairment	7.07 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		01696	**2004**	**2016**	

Sources: Livestock (Grazing or Feeding Operations)
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)
Unspecified Domestic Waste
Wildlife Other than Waterfowl

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Barbours Creek, Lower**

TMDL Group ID: **01697**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAW-I22R_BAR01A00	**Barbours Creek Lower**	CRAIG CO	Barbours Creek from its mouth on Craig Creek upstream to the I23 Watershed Boundary located just downstream of the Rt. 617 and 611 junction at the mouth of Valley Branch.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Temperature, water**	7.07 MILES	01697	**2002**	**2014**	Category 5C

Sources: Source Unknown

TMDL Watershed Name: **Bear Creek Lake**

TMDL Group ID: **50073**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAC-H36L_BRC01A06	**Bear Creek Lake**	CUMBERLAND CO	Bear Creek Lake at Bear Creek Lake State Park

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**	43.13 ACRES	50073	**2006**	**2018**	

Sources: Source Unknown

TMDL Watershed Name: **Bear Garden Creek**

TMDL Group ID: **00730**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAC-H20R_BGC01A98	**Bear Garden Creek**	BUCKINGHAM CO	Bear Garden Creek from the a point 5 miles above the Fork Union Sanitary District raw water ntake to the mouth at the James River.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	4.69 MILES	00730	**2002**	**2014**	

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAC-H20R_BGC02A04	**Bear Garden Creek**	BUCKINGHAM CO	Bear Garden Creek from its headwaters downstream to a point 5 miles above the Fork Union Sanitary DIstrict's raw water intake.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	4.52 MILES	00730	**2002**	**2014**	

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Beaver Creek**

TMDL Group ID: **00765**

VAC-H05R_BCR01A00	Beaver Creek	CAMPBELL CO	Beaver Creek mainstem from its mouth on the James River upstream to an unnamed tributaries mouth at the Rt. 501 Bridge.

VA Overall AU Category: **5A**

Use	Impairment	8.50 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		00765	**2004**	**2016**	

Sources: Source Unknown

TMDL Group ID: **01662**

VAV-H23R_BVR02A04	Beaver Creek	ALBEMARLE CO	Beaver Creek from the headwaters downstream to the Beaver Creek Reservoir.

VA Overall AU Category: **5A**

Use	Impairment	4.80 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		01662	**2004**	**2016**	

Sources: Non-Point Source
Wildlife Other than Waterfowl

TMDL Watershed Name: **Beaver Creek Reservoir**

TMDL Group ID: **50052**

VAV-H23L_00	Beaver Creek Reservoir	ALBEMARLE CO	Beaver Creek Reservoir

VA Overall AU Category: **5A**

Use	Impairment	104.00 ACRES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		50052	**2006**	**2018**	Newly listed for dissolved oxygen and pH in 2006. Dissolved oxygen impairment is natural.

Sources: Atmospheric Deposition - Acidity

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Beaverdam Creek**

TMDL Group ID: **01155**

VAP-G06R_BEV01A00	Beaverdam Creek	HANOVER CO	Beaverdam Creek from its headwaters to its mouth at the Chickahominy River.

VA Overall AU Category: **5A**

Use	Impairment	6.05 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		01155	**2004**	**2016**	VAP-G06R-06

Beaverdam Creek is assessed as not supporting of the Aquatic Life Use based on a pH standard violation rate of 3/4 at USGS station 02042433. However, during the 2006 cycle, monitoring at DEQ's station at the Route 156 bridge, only slightly upstream of the USGS station, had an acceptable violation rate of 0/9.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

TMDL Group ID: **01170**

VAP-G09R_BDM01A98	Beaverdam Creek	NEW KENT CO	Beaverdam Creek from its headwaters to the upstream limit of Diascund Reservoir.

VA Overall AU Category: **5A**

Use	Impairment	4.06 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01170	**2002**	**2014**	VAP-G09R-01

Beaverdam Creek was assessed as not supporting of the Aquatic Life use because of dissolved oxygen standard violations at the Route 632 bridge (2-BDM004.12). The segment was initially considered fully supporting but threatened in the 1998 cycle, but was downgraded to impaired in the 2002 cycle. The DO TMDL is due in 2014.

Sources: Source Unknown

TMDL Group ID: **01171**

VAP-G09R_BDM01A98	Beaverdam Creek	NEW KENT CO	Beaverdam Creek from its headwaters to the upstream limit of Diascund Reservoir.

VA Overall AU Category: **5A**

Use	Impairment	4.06 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		01171	**2004**	**2016**	VAP-G09R-01

In the 2004 cycle, Beaverdam Creek was assessed as not supporting the Recreation Use goal based on a fecal coliform violation rate of 3/19 at 2-BDM004.12. The fecal coliform TMDL is due in 2016. There has been no additional monitoring since 2001, therefore the segment remains impaired although there are no fecal coliform violations during the 2006 window. Further monitoring is recommended to confirm the impairment.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Beaverdam Creek**

TMDL Group ID: **01177**

VAP-H38R_BDC01A98 **Beaverdam Creek** GOOCHLAND CO, LOUISA CO — Beaverdam Creek from its headwaters to the James River.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	8.73 MILES	01177	**2004**	**2016**	VAP-H38R-03 The segment was originally listed as impaired of the Recreation use during the year 2004 cycle due to a fecal coliform violation rate of 4/21 at 2-BDC000.79. Sampling ended in 2001, therefore the 2004 assessment was carried over.

Sources: Source Unknown

TMDL Group ID: **10109**

VAP-G06R_BEV01A00 **Beaverdam Creek** HANOVER CO — Beaverdam Creek from its headwaters to its mouth at the Chickahominy River.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	6.05 MILES	10109	**2006**	**2018**	VAP-G06R-12 Beaverdam Creek was assessed as not supporting the Recreation Use based on an E. coli violation rate of 3/9 at DEQ's station at the Route 156 bridge (2-BEV002.00.)

Sources: Source Unknown

TMDL Watershed Name: **Bennett Creek**

TMDL Group ID: **00609**

VAT-G13E_BEN01A04 **Bennett Creek - Tributary to Nansemond R.** SUFFOLK CITY — Western shore trib. to Nansemond R., near confluence with James R. Drains the Bennett Harbor area. From headwaters to mouth, including tidal tributaries. Portion of CBP segment JMSMH. DSS shellfish direct harvesting condemnation # 063- 046.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.50 SQUARE MILES	00609	**2006**	**2016**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04. This segment was previously identified (2004 IR) as a site-specific impairment for PCBs in fish tissue concentrations under TMDL ID VAT-G13E-04, this previous impairment TMDL due date is carried forward for this AU, rather than base the TMDL due date on the issuance date of the VDH PCB advisory.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Bennett Creek**

TMDL Group ID: **01294**

VAT-G13E_BEN01A04	Bennett Creek - Tributary to Nansemond R.	SUFFOLK CITY	Western shore trib. to Nansemond R., near confluence with James R. Drains the Bennett Harbor area. From headwaters to mouth, including tidal tributaries. Portion of CBP segment JMSMH. DSS shellfish direct harvesting condemnation # 063- 046.

VA Overall AU Category: **5A**

Use	Impairment	0.50 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01294	**2006**	**2010**	DSS shellfish direct harvesting condemnation # 063- 046.

Sources: Source Unknown

TMDL Group ID: **01512**

VAT-G13E_BEN01A04	Bennett Creek - Tributary to Nansemond R.	SUFFOLK CITY	Western shore trib. to Nansemond R., near confluence with James R. Drains the Bennett Harbor area. From headwaters to mouth, including tidal tributaries. Portion of CBP segment JMSMH. DSS shellfish direct harvesting condemnation # 063- 046.

VA Overall AU Category: **5A**

Use	Impairment	0.50 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Enterococcus**		01512	**2006**	**2016**	The Recreation Use is impaired (4 violate / 14 obs.) due to exceedance of the instantaneous criteria for Enterococcus bacteria. The previous Fecal Coliform indicator bacteria impairment (VAT-G13E-04) no longer applies, replaced by Enterococcus criteria impairment since threshold of 12 observations reached, with TMDL ID and due date same as original FC impairment.

Sources: Source Unknown

TMDL Watershed Name: **Bent Creek**

TMDL Group ID: **00769**

VAC-H07R_BTC01A00	Bent Creek	APPOMATTOX CO	Bent Creek mainstem from its mouth on the James River upstream to its headwaters.

VA Overall AU Category: **5A**

Use	Impairment	13.50 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		00769	**2004**	**2016**	

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Bernards Creek**

TMDL Group ID: **01183**

VAP-H39R_BOR01A02	Bernards Creek	POWHATAN CO	Headwaters to mouth at Norwood Creek

VA Overall AU Category: **5A**

Use	Impairment	6.97 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		01183	**2004**	**2016**	VAP-H39R-10

Bernards Creek was assessed as impaired of the Recreation Use based on a fecal coliform violation rate of 5/22 at the Route 711 bridge (2-BOR001.73).

Sources: Source Unknown

TMDL Watershed Name: **Big Guinea Creek**

TMDL Group ID: **00167**

VAC-J06R_BGU01A98	Big Guinea Creek	CUMBERLAND CO	Big Guinea Creek from its headwaters to the mouth at the Appomattox River.

VA Overall AU Category: **5A**

Use	Impairment	8.46 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00167	**2006**	**2018**	

Sources: Source Unknown

Recreation	**Fecal Coliform**		00167	**2004**	**2016**	

Sources: Source Unknown

TMDL Watershed Name: **Big Lickinghole Creek/Little Lickinghole Creek**

TMDL Group ID: **01176**

VAP-H37R_BLG01A98	Big Lickinghole Creek/Little Lickinghole Creek	GOOCHLAND CO	The mainstems of Big Lickinghole and Little Lickinghole Creeks.

VA Overall AU Category: **5A**

Use	Impairment	29.54 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		01176	**2002**	**2014**	VAP-H37R-01

The creeks were assessed not supporting of the Recreation use support goal based on water quality monitoring performed at the confluence of Big Lickinghole Creek and Little Lickinghole Creek (2-BLG002.60). The fecal coliform violation rate was 2/8.

Bacteria monitoring was switched to E. coli in 2003. During the 2006 cycle, the violation rate was 1/9 (insufficient for assessment).

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Blackman Creek**

TMDL Group ID: **01304**

VAP-J16R_BCM01A04 **Blackman Creek** CHESTERFIELD CO Headwaters to mouth

HUC: 02080207

VA Overall AU Category: **5C**

Use	Impairment	4.45 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01304	**2004**	**2016**	VAP-J16R-02

The DO standards violation rate for Blackman Creek was 6/12, and the pH violation rate was 3/12. However, it is suspected the low DO and pH are due to natural conditions of the watershed. Therefore, for the 2006 cycle, Blackman Creek is assessed as Cat. 5C.

The segment also had observed effects for violation in Total Phosphorus standards with exceedances of 2/12.

Sources: Source Unknown

TMDL Group ID: **01305**

VAP-J16R_BCM01A04 **Blackman Creek** CHESTERFIELD CO Headwaters to mouth

HUC: 02080207

VA Overall AU Category: **5C**

Use	Impairment	4.45 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		01305	**2004**	**2016**	VAP-J16R-02

The DO standards violation rate for Blackman Creek was 6/12, and the pH violation rate was 3/12. However, it is suspected the low DO and pH are due to natural conditions of the watershed. Therefore, for the 2006 cycle, Blackman Creek is assessed as Cat. 5C.

The segment also had observed effects for violation in Total Phosphorus standards with exceedances of 2/12.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Blackwater Creek**

TMDL Group ID: **00358**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAC-H03R_BKW01A00	**Blackwater Creek**	LYNCHBURG CITY	Blackwater Creek mainstem from the confluence of Tomahawk and Burton Creeks downstream to the Blackwater Creek confluence on the James River.

VA Overall AU Category: **5A**

Use	Impairment	10.30 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00358	**2006**	**2010**	
		Sources: Combined Sewer Overflows				
Recreation	**Fecal Coliform**		00358	**1996**	**2010**	
		Sources: Combined Sewer Overflows				

TMDL Watershed Name: **Bleakhorn Creek - Tributary to Nansemond R.**

TMDL Group ID: **01299**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAT-G13E_BHN01A00	**Bleakhorn Creek - Tributary to Nansemond R.**	SUFFOLK CITY	Western shore trib. to Nansemond R., near confluence with James R. Drains the Eclipse area near Crittenden. From headwaters to mouth, including tidal tributaries. Portion of CBP segment JMSMH. DSS shellfish direct harvesting condemnation # 063- 182.

VA Overall AU Category: **5A**

Use	Impairment	0.04 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01299	**2006**	**2010**	DSS shellfish direct harvesting condemnation # 063- 182.
		Sources: Source Unknown				

TMDL Watershed Name: **Bloody Run**

TMDL Group ID: **01153**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-G06R_BDY01A04	**Bloody Run**	HANOVER CO	Headwaters to mouth at Powhite Creek

VA Overall AU Category: **5C**

Use	Impairment	1.05 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01153	**2004**	**2016**	VAP-G06R-11
						Bloody Run is assessed as not supporting of the Aquatic Life Use based on pH violation rates of 4/4 at USGS stations 0204243610 and 0204243650 and a dissolved oxygen violation rate of 3/3 at 0204243610.
		Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed				

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Bloody Run**

TMDL Group ID: **01154**

VAP-G06R_BDY01A04	Bloody Run	HANOVER CO	Headwaters to mouth at Powhite Creek

VA Overall AU Category: **5C**

Use	Impairment	1.05 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		01154	**2004**	**2016**	VAP-G06R-11

Bloody Run is assessed as not supporting of the Aquatic Life Use based on pH violation rates of 4/4 at USGS stations 0204243610 and 0204243650 and a dissolved oxygen violation rate of 3/3 at 0204243610.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

TMDL Watershed Name: **Boatswain Creek**

TMDL Group ID: **01156**

VAP-G06R_BTS01A02	Boatswain Creek	HANOVER CO	Boatswain Creek from its headwaters to its mouth at the Chickahominy River.

VA Overall AU Category: **5A**

Use	Impairment	3.41 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		01156	**2004**	**2016**	VAP-G06R-07

Boatswain Creek is assessed as not supporting of the Aquatic Life Use based on a pH standard violation rate of 3/4 at USGS station 0204243830, 2/4 at USGS station 02043790, and 3/4 at DEQ station 2-BTS002.62.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

TMDL Group ID: **10039**

VAP-G06R_BTS01A02	Boatswain Creek	HANOVER CO	Boatswain Creek from its headwaters to its mouth at the Chickahominy River.

VA Overall AU Category: **5A**

Use	Impairment	3.41 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		10039	**2006**	**2018**	VAP-G06R-13

Boatswain Creek was assessed as not supporting of the Recreation Use based on an E. coli violation rate of 2/4 at 2-BTS002.62.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Bolar Run**

TMDL Group ID: **50043**

VAV-I01R_BOL01A04	Bolar Run	BATH CO HIGHLAND CO	Bolar Run from the headwaters downstream to its confluence with the Jackson River.

VA Overall AU Category: **5A**

Use	Impairment	6.40 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Temperature, water**		50043	**2006**	**2018**	Newly listed for temperature in 2006.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

TMDL Watershed Name: **Broad Axe Run**

TMDL Group ID: **01661**

VAV-H23R_BRX01A00	Broad Axe Run	ALBEMARLE CO	Broad Axe Run from the headwaters downstream to its confluence with the Mechums River.

VA Overall AU Category: **5A**

Use	Impairment	1.95 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		01661	**2004**	**2016**	

Sources: Source Unknown

TMDL Watershed Name: **Broad Branch**

TMDL Group ID: **10042**

VAP-H39R_BOD02A06	Broad Branch	GOOCHLAND CO	Broad Branch from its headwaters to the dam upstream of Route 623.

VA Overall AU Category: **5D**

Use	Impairment	2.56 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		10042	**2006**	**2018**	VAP-H39R-02 In 2006 pH was added as an impairing cause based on 3 high DO violations in the summer of 2003 at 2-BOD003.31, which is located downstream of a pond draining a golf course. The source is considered unknown, but nonpoint source runoff is suspected. The TMDL is due in 2018.

Sources: Non-Point Source

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Broad Creek, Eastern Branch**

TMDL Group ID: **00353**

VAT-G15E_BRO01A02	Broad Creek, Eastern Br. Elizabeth R.	NORFOLK CITY	Located between Ingleside and Thomas Corner areas. North shore tributary to Eastern Branch Elizabeth River. Entirety of Broad Creek. Portion of CBP segment EBEMH. Portion of the DSS (ADMINISTRATIVE) shellfish direct harvesting condemnation # 065-007 E.

VA Overall AU Category: **5A**

Use	Impairment	0.37 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Enterococcus**		00353	**2006**	**2016**	The Recreation Use is impaired (4 violate / 14 obs.) due to exceedance of the instantaneous criteria for Enterococcus bacteria. The previous Fecal Coliform indicator bacteria impairment (VAT-G13E-04) no longer applies, replaced by Enterococcus criteria impairment since threshold of 12 observations reached, with TMDL ID and due date same as original FC impairment.

Sources: Source Unknown

TMDL Watershed Name: **Broad Creek, Eastern Branch Elizabeth River**

TMDL Group ID: **00611**

VAT-G15E_BRO01A02	Broad Creek, Eastern Br. Elizabeth R.	NORFOLK CITY	Located between Ingleside and Thomas Corner areas. North shore tributary to Eastern Branch Elizabeth River. Entirety of Broad Creek. Portion of CBP segment EBEMH. Portion of the DSS (ADMINISTRATIVE) shellfish direct harvesting condemnation # 065-007 E.

VA Overall AU Category: **5A**

Use	Impairment	0.37 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		00611	**2006**	**2016**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04. This segment was previously identified (2004 IR) as a site-specific impairment for PCBs in fish tissue concentrations under TMDL ID: VAT-G15E-02-04, this previous impairment TMDL due date is carried forward for this AU, rather than base the TMDL due date on the issuance date of the VDH PCB advisory.

Sources: Source Unknown

VAT-G15E_EBE01A00	Eastern Branch, Elizabeth R. - Upper	CHESAPEAKE CITY NORFOLK CITY	Located between Carolanne Farms and Tanglewood areas. Upper Eastern Br., from headwaters to confluence of Broad Creek (RM 4.0). Portion of CBP segment EBEMH. Portion of the DSS (ADMINISTRATIVE) shellfish direct harvesting condemnation # 065-007 E.

VA Overall AU Category: **5A**

Use	Impairment	0.38 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		00611	**2006**	**2016**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04. This segment was previously identified (2004 IR) as a site-specific impairment for PCBs in fish tissue concentrations under TMDL ID: VAT-G15E-02-04, this previous impairment TMDL due date is carried forward for this AU, rather than base the TMDL due date on the issuance date of the VDH PCB advisory.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Broad Rock Creek**

TMDL Group ID: **10029**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-G01R_BDO01A06	**Broad Rock Creek**	RICHMOND CITY	Headwaters to Goode Creek

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	3.28 MILES	10029	**2006**	**2018**	VAP-G01R-11

During the 2006 cycle, Broad Rock Creek was assessed as not supporting the Recreation Use based on an E. coli violation rate of 2/8 at 2-BDO000.38.

Sources: Source Unknown

TMDL Watershed Name: **Buffalo Creek**

TMDL Group ID: **01685**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAV-I38R_BLD01A00	**Buffalo Creek**	ROCKBRIDGE CO	Buffalo Creek from its confluence with an unnamed tributary near Buffalo Bend downstream to its confluence with the Maury River.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	3.94 MILES	01685	**2004**	**2016**	

Sources: Non-Point Source
Wildlife Other than Waterfowl

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAV-I38R_BLD02A04	**Buffalo Creek**	ROCKBRIDGE CO	Buffalo Creek from its confluence with Moore Creek downstream to its confluence with an unnamed tributary near Buffalo Bend.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	11.55 MILES	01685	**2006**	**2016**	Newly listed for bacteria in 2006.

Sources: Non-Point Source
Wildlife Other than Waterfowl

TMDL Group ID: **50096**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAC-J02R_BFL02A02	**Buffalo Creek**	PRINCE EDWARD CO	Buffalo Creek from the Spring Creek confluence to its mouth at the Appomattox River.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	11.43 MILES	50096	**2006**	**2018**	

Sources: Non-Point Source

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Buffalo River**

TMDL Group ID: **00728**

VAC-H11R_BUF03A00	Buffalo River	AMHERST CO	Buffalo River mainstem from the upstream end of the WQS public water supply (PWS) designation upstream to the mouth of Franklin Creek.

VA Overall AU Category: **5A**

Use	Impairment	5.87 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00728	**2006**	**2016**	
		Sources:	Source Unknown			
Recreation	**Fecal Coliform**		00728	**2004**	**2016**	
		Sources:	Source Unknown			

TMDL Group ID: **50304**

VAC-H12R_BUF01A00	Buffalo River	NELSON CO	Buffalo River mainstem from its mouth on the Tye River upstream to a low water dam located at.

VA Overall AU Category: **5A**

Use	Impairment	2.33 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		50304	**2004**	**2016**	
		Sources:	Source Unknown			

VAC-H12R_BUF02A02	Buffalo River	AMHERST CO	Buffalo River from Rocky Creek to the dam at the Route 629 bridge.

VA Overall AU Category: **5A**

Use	Impairment	5.46 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		50304	**2004**	**2016**	
		Sources:	Source Unknown			

TMDL Watershed Name: **Bullpasture River**

TMDL Group ID: **50250**

VAV-I13R_BLP01A00	Bullpasture River	BATH CO HIGHLAND CO	Bullpasture River from the headwaters downstream to its confluence with the Cowpasture River.

VA Overall AU Category: **5A**

Use	Impairment	24.25 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		50250	**2006**	**2018**	Newly listed for bacteria in 2006.
		Sources:	Non-Point Source Wildlife Other than Waterfowl			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Burnetts Mill Creek - Tributary to Nansemond R.**

TMDL Group ID: **76145**

VAT-G13E_BML01A06	**Burnetts Mill Creek - Tributary to Nansemond R.**	SUFFOLK CITY	Eastern shore trib. to Nansemond R., south of the Nansemond area. Drains the Beamon area. From headwaters to mouth. Portion of CBP segment JMSMH. Portion of DSS shellfish direct harvesting condemnation # 063-008.

VA Overall AU Category: **5A**

Use	Impairment	0.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		76145	**2006**	**2010**	Portion of DSS shellfish direct harvesting condemnation # 063- 008.

Sources: Source Unknown

TMDL Watershed Name: **Burton Creek**

TMDL Group ID: **50085**

VAC-H03R_BUN01A06	**Burton Creek**	LYNCHBURG CITY	Burton Creek from its headwaters to the confluence with Tomahawk Creek.

VA Overall AU Category: **5A**

Use	Impairment	3.47 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		50085	**2006**	**2018**	

Sources: Source Unknown

TMDL Watershed Name: **Butterwood Creek**

TMDL Group ID: **15018**

VAP-J07R_BWD01A00	**Butterwood Creek**	POWHATAN CO	Butterwood Creek from its headwaters to its mouth at the Appomattox River.

VA Overall AU Category: **5A**

Use	Impairment	5.37 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		15018	**2006**	**2018**	15018 (FC) VAP-J07R-03 Butterwood Creek was assessed as not supporting the Recreation Use due to a fecal coliform violation rate of 2/10 at the Route 603 bridge (2-BTR000.50).

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Byrd Creek**

TMDL Group ID: **00373**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-H34R_BYR01A98	**Byrd Creek**	FLUVANNA CO LOUISA CO	Byrd Creek from its headwaters to its mouth at the Little River at the branch of the James River at Elk Island.

VA Overall AU Category: **5A**

Use	Impairment	25.97 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		00373	**2002**	**2010**	VAP-H34R-01 Assessed as impaired of the Swimmable Use based on a fecal coliform standard violation rate of 3/21 at the Route 603 bridge (2-BYR003.35) during the 2004 cycle. Monitoring was discontinued in 2001, therefore the impairment was carried over to the 2006 cycle.

Sources: Source Unknown

TMDL Watershed Name: **Calfpasture River**

TMDL Group ID: **50251**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAV-I30R_CFP02A00	**Calfpasture River**	AUGUSTA CO ROCKBRIDGE CO	Calfpasture River from its confluence with Tizzle Branch downstream to its confluence with Brattons Run.

VA Overall AU Category: **5A**

Use	Impairment	23.60 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		50251	**2006**	**2018**	Newly listed for bacteria in 2006.

Sources: Non-Point Source
Wildlife Other than Waterfowl

TMDL Watershed Name: **Carbell Swamp**

TMDL Group ID: **01516**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAT-G14R_CRL01A02	**Carbell Swamp**	ISLE OF WIGHT CO NORFOLK CITY	Upstream tributary to the northwest branch of Lake Prince (near Holly Grove Church). Entire watershed is portion of PWS for City of Norfolk.

VA Overall AU Category: **5A**

Use	Impairment	3.62 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		01516	**2004**	**2016**	The Aquatic Life Use is impaired based on moderately impaired rating for freshwater benthic bioassessment. DEQ Streams Benthic-Macroinvertebrate Bioassessment at DEQ (BIO) freshwater benthic bioassessment monitoring station @ 2-CRL004.04 (slightly impaired rating measured spring 2000 & fall 2000, moderately impaired rating measured in fall 2001,spring 2002, fall 2002).

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Carbell Swamp**

TMDL Group ID: **01517**

VAT-G14R_CRL01A02	Carbell Swamp	ISLE OF WIGHT CO NORFOLK CITY	Upstream tributary to the northwest branch of Lake Prince (near Holly Grove Church). Entire watershed is portion of PWS for City of Norfolk.

VA Overall AU Category: **5A**

Use	Impairment	3.62 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		01517	**2004**	**2014**	The Aquatic Life Use is impaired based on pH concentrations below the DEQ minimum criteria (6.0 SU). DEQ freshwater benthic bioassessment monitoring station @ 2-CRL004.04 (3 violates / 6 observations).

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

TMDL Watershed Name: **Catawba Creek**

TMDL Group ID: **01702**

VAW-I25R_CAT01A00	Catawba Creek Lower	BOTETOURT CO	Catawba Creek mainstem from Slate Branch downstream to its mouth on the James River.

VA Overall AU Category: **5A**

Use	Impairment	7.13 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		01702	**2004**	**2014**	

Sources: Livestock (Grazing or Feeding Operations)
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)
Unspecified Domestic Waste
Wastes from Pets
Wildlife Other than Waterfowl

VAW-I25R_CAT02A00	Catawba Creek Middle	BOTETOURT CO	Catawba Creek mainstem from the Town of Fincastle POTW downstream to the mouth of Slate Branch.

VA Overall AU Category: **5A**

Use	Impairment	4.10 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		01702	**2004**	**2014**	

Sources: Livestock (Grazing or Feeding Operations)
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)
Unspecified Domestic Waste
Wastes from Pets
Wildlife Other than Waterfowl

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Catawba Creek**

TMDL Group ID: **01702**

VAW-I25R_CAT03A00 **Catawba Creek Upper** BOTETOURT CO Catawba Creek mainstem from the mouth of Stone Coal Creek downstream to the Town of Fincastle POTW.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	10.51 MILES	01702	**2002**	**2014**	

Sources: Livestock (Grazing or Feeding Operations)
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)
Unspecified Domestic Waste
Wastes from Pets
Wildlife Other than Waterfowl

VAW-I25R_CAT03B04 **Catawba Creek** BOTETOURT CO Catawba Creek from the Roanoke Cement intake downstream to the mouth of Stone Coal Creek.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	1.38 MILES	01702	**2002**	**2014**	

Sources: Livestock (Grazing or Feeding Operations)
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)
Unspecified Domestic Waste
Wildlife Other than Waterfowl

VAW-I25R_CAT04A04 **Catawba Creek** BOTETOURT CO Catawba Creek from the Roanoke Cement Outfalls downstream to the Roanoke Cement Intake.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	0.34 MILES	01702	**2004**	**2014**	

Sources: Livestock (Grazing or Feeding Operations)
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)
Unspecified Domestic Waste
Wildlife Other than Waterfowl

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Catawba Creek**

TMDL Group ID: **01702**

VAW-I25R_CAT04B04	Catawba Creek	BOTETOURT CO	Catawba Creek from the mouth of Little Catawba Creek downstream to the Roanoke Cement outfalls.

VA Overall AU Category: **5A**

Use	Impairment	0.81 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		01702	**2004**	**2014**	

Sources: Livestock (Grazing or Feeding Operations)
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)
Unspecified Domestic Waste
Wildlife Other than Waterfowl

TMDL Watershed Name: **Cedar Creek**

TMDL Group ID: **01676**

VAV-I28R_CEC01A00	Cedar Creek	ROCKBRIDGE CO	Cedar Creek from the headwaters downstream to its confluence with the James River.

VA Overall AU Category: **5A**

Use	Impairment	11.52 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		01676	**2002**	**2014**	

Sources: Non-Point Source
Wildlife Other than Waterfowl

TMDL Group ID: **50260**

VAW-I05R_CRE01A00	Cedar Creek Lower	ALLEGHANY CO BATH CO	Cedar Creek mainstem from its mouth on the Jackson R. upstream to a series of springs.

VA Overall AU Category: **5A**

Use	Impairment	1.65 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		50260	**2006**	**2018**	

Sources: Livestock (Grazing or Feeding Operations)
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)
Unspecified Domestic Waste
Wildlife Other than Waterfowl

Recreation	**Fecal Coliform**		50260	**2006**	**2018**	

Sources: Livestock (Grazing or Feeding Operations)
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)
Unspecified Domestic Waste
Wildlife Other than Waterfowl

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Cedar Creek**

TMDL Group ID: **50260**

VAW-I05R_CRE01A06	Cedar Creek	BATH CO	Cedar Creek mainstem from the confluence of several springs upstream to Hot Springs Run.

VA Overall AU Category: **5A**

Use	Impairment	1.72 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		50260	**2006**	**2018**	
		Sources:	Livestock (Grazing or Feeding Operations) On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems) Unspecified Domestic Waste Wastes from Pets Wildlife Other than Waterfowl			
Recreation	**Fecal Coliform**		50260	**2006**	**2018**	
		Sources:	Livestock (Grazing or Feeding Operations) On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems) Unspecified Domestic Waste Wastes from Pets Wildlife Other than Waterfowl			

TMDL Watershed Name: **Cedar Grove Branch**

TMDL Group ID: **01679**

VAV-I33R_CGB01A00	Cedar Grove Branch	ROCKBRIDGE CO	Cedar Grove Branch from the headwaters downstream to its confluence with the Maury River.

VA Overall AU Category: **5A**

Use	Impairment	4.66 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		01679	**2004**	**2016**	
		Sources:	Non-Point Source Wildlife Other than Waterfowl			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Chickahominy Lake**

TMDL Group ID: **00449**

VAP-G07L_CHK01A00	Chickahominy Lake	CHARLES CITY CO NEW KENT CO	Chickahominy Lake from Walkers Dam to the extent of backwater

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	1500.00 ACRES	00449	**1998**	**2010**	VAP-G07L-01

Chickahominy Lake was included on EPA's 1998 list of "Waters Identified to Virginia for Listing Consideration During Development of Next List." No parameter of concern was listed.

Low DO in the bottom waters was observed at station 2-CHK025.15, which is closest to the dam. However, the summer temperature difference was <4°C, therefore the lake is considered not stratified using the 2006 guidance. It is assessed as not supporting the Aquatic Life Use (Cat. 5A).

The source of the dissolved oxygen violations is unknown but is believed to be exacerbated by nutrient overenrichment.

Sources: Source Unknown

TMDL Watershed Name: **Chickahominy River**

TMDL Group ID: **00447**

VAP-G06R_CHK01A98	Chickahominy River	HANOVER CO HENRICO CO	The Chickahominy River from the Route 360 bridge downstream to the Route 156 bridge.

VA Overall AU Category: **5C**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	8.23 MILES	00447	**1996**	**2010**	VAP-G06R-01N

The Chickahominy River has been assessed as not supporting of the Aquatic Life use goal since 1996 based on dissolved oxygen and pH violations at the Route 360 bridge (2-CHK062.57) and at the Route 156 bridge (2-CHK055.04). During the year 2006 cycle, the dissolved oxygen violation rates were 11/37 and 7/37, respectively.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Chickahominy River**

TMDL Group ID: **01145**

VAP-G08E_CHK02A00	Chickahominy River	CHARLES CITY CO JAMES CITY CO	The Chickahominy River from the confluence with Diascund Creek downstream to the James River. CHKOH

VA Overall AU Category: **5A**

Use	Impairment	5.47 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Chloride**		01145	**2004**	**2016**	VAP-G08E-02 The Chickahominy River was assessed as not supporting the Aquatic Life and Wildlife Uses because of chloride violations at 2-CHK002.17, 2-CHK006.14, and 2004 violations at 2-CHK0014.33.
		Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed				
Wildlife	**Chloride**		01145	**2004**	**2016**	VAP-G08E-02 The Chickahominy River was assessed as not supporting the Aquatic Life and Wildlife Uses because of chloride violations at 2-CHK002.17, 2-CHK006.14, and 2004 violations at 2-CHK0014.33.
		Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed				

TMDL Group ID: **01149**

VAP-G05R_CHK01A00	Chickahominy River	HANOVER CO HENRICO CO	The Chickahominy River from its headwaters to the confluence with Stony Run.

VA Overall AU Category: **5A**

Use	Impairment	14.98 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01149	**2004**	**2016**	VAP-G05R-04 The segment was assessed as impaired of the Aquatic Life Use goal based on a dissolved oxygen violation rate of 3/24 at 2-CHK076.59.
		Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed				

TMDL Group ID: **01150**

VAP-G05R_CHK01A00	Chickahominy River	HANOVER CO HENRICO CO	The Chickahominy River from its headwaters to the confluence with Stony Run.

VA Overall AU Category: **5A**

Use	Impairment	14.98 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		01150	**2004**	**2016**	VAP-G05R-04 The segment was assessed as impaired of the Recreation Use because of fecal coliform violation rates of 3/21 and 2/13 at 2-CHK076.59 and 2-CHK079.23, respectively. The E. coli violation rate at 2-CHK076.59 was acceptable (0/9).
		Sources: Source Unknown				

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Chickahominy River**

TMDL Group ID: **01762**

VAP-G08E_CHK01A00 | **Chickahominy River** | CHARLES CITY CO, NEW KENT CO | The Chickahominy River from Walkers Dam to the confluence with Diascund Creek.

Size adjusted in 2006 although area did not change

CHKOH

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	1.37	SQUARE MILES	01762	**2004**	**2016**	VAP-G08E-01

In the 2004 cycle, the segment from Walkers Dam to Diascund Creek was assessed as not supporting the Fish Consumption Use because the DEQ screening value for PCBs was exceeded in 3 species during sampling in 2001. In addition, on 12/13/2004 the VDH reissued the James River PCB advisory and extended the impairment to include the entire tidal Chickahominy River up to Walkers Dam (see VAP-G01E-03). The PCB TMDL is due in 2016.

Sources: Source Unknown

VAP-G08E_CHK02A00 | **Chickahominy River** | CHARLES CITY CO, JAMES CITY CO | The Chickahominy River from the confluence with Diascund Creek downstream to the James River.

CHKOH

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	5.47	SQUARE MILES	01762	**2006**	**2018**	VAP-G08E-01

In the 2004 cycle, the segment from Walkers Dam to Diascund Creek was assessed as not supporting the Fish Consumption Use because the DEQ screening value for PCBs was exceeded in 3 species during sampling in 2001. In addition, on 12/13/2004 the VDH reissued the James River PCB advisory and extended the impairment to include the entire tidal Chickahominy River up to Walkers Dam (see VAP-G01E-03). The PCB TMDL in the lower extended portion is due in 2018.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Chickahominy River**

TMDL Group ID: **10096**

VAP-G08E_CHK01A00	Chickahominy River	CHARLES CITY CO NEW KENT CO	The Chickahominy River from Walkers Dam to the confluence with Diascund Creek. Size adjusted in 2006 although area did not change CHKOH

VA Overall AU Category: **5A**

Use	Impairment	1.37 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		10096	**2006**	**2010**	VAP-G08E-03 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The oligohaline Chickahominy River estuary failed the Open Water 30-day summer dissolved oxygen criteria.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		10096	**2006**	**2010**	VAP-G08E-03 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The oligohaline Chickahominy River estuary failed the Open Water 30-day summer dissolved oxygen criteria.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Chickahominy River**

TMDL Group ID: **10096**

VAP-G08E_CHK02A00	Chickahominy River	CHARLES CITY CO JAMES CITY CO	The Chickahominy River from the confluence with Diascund Creek downstream to the James River. CHKOH

VA Overall AU Category: **5A**

Use	Impairment	5.47 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		10096	**2006**	**2010**	VAP-G08E-03 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The oligohaline Chickahominy River estuary failed the Open Water 30-day summer dissolved oxygen criteria.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		10096	**2006**	**2010**	VAP-G08E-03 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The oligohaline Chickahominy River estuary failed the Open Water 30-day summer dissolved oxygen criteria.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Chickahominy River**

TMDL Group ID: **10096**

VAP-G08E_DSC01A00	Diascund Creek	JAMES CITY CO NEW KENT CO	Diascund Creek from the Diascund Reservoir dam downstream to the mouth at the Chickahominy River. CHKOH

VA Overall AU Category: **5A**

Use	Impairment	0.56 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		10096	**2006**	**2010**	VAP-G08E-03 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The oligohaline Chickahominy River estuary failed the Open Water 30-day summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		10096	**2006**	**2010**	VAP-G08E-03 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The oligohaline Chickahominy River estuary failed the Open Water 30-day summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Chickahominy River**

TMDL Group ID: **10096**

VAP-G08E_GOR01A06	Gordon Creek	JAMES CITY CO	Tidal limit to mouth CHKOH

VA Overall AU Category: **5A**

Use	Impairment	0.30 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		10096	**2006**	**2010**	VAP-G08E-03 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The oligohaline Chickahominy River estuary failed the Open Water 30-day summer dissolved oxygen criteria.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		10096	**2006**	**2010**	VAP-G08E-03 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The oligohaline Chickahominy River estuary failed the Open Water 30-day summer dissolved oxygen criteria.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Chickahominy River**

TMDL Group ID: **10096**

VAP-G08E_MOC01A02	Morris Creek	CHARLES CITY CO	The tidal portion of Morris Creek. CHKOH

VA Overall AU Category: **5A**

Use	Impairment	0.41 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		10096	**2006**	**2010**	VAP-G08E-03 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The oligohaline Chickahominy River estuary failed the Open Water 30-day summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		10096	**2006**	**2010**	VAP-G08E-03 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The oligohaline Chickahominy River estuary failed the Open Water 30-day summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Chickahominy River**

TMDL Group ID: **10096**

VAP-G08E_YRM01A04	Yarmouth Creek	JAMES CITY CO	Headwaters to confluence with Little Creek
			CHKOH

VA Overall AU Category: **5A**

Use	Impairment	0.17 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		10096	**2006**	**2010**	VAP-G08E-03 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The oligohaline Chickahominy River estuary failed the Open Water 30-day summer dissolved oxygen criteria.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		10096	**2006**	**2010**	VAP-G08E-03 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The oligohaline Chickahominy River estuary failed the Open Water 30-day summer dissolved oxygen criteria.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Chickahominy River**

TMDL Group ID: **10096**

VAP-G08E_ZZZ01A00	Unsegmented estuaries in G08	CHARLES CITY CO NEW KENT CO	Unsegmented portion of watershed CHKOH

VA Overall AU Category: **5A**

Use	Impairment	1.16 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		10096	**2006**	**2010**	VAP-G08E-03 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The oligohaline Chickahominy River estuary failed the Open Water 30-day summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		10096	**2006**	**2010**	VAP-G08E-03 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The oligohaline Chickahominy River estuary failed the Open Water 30-day summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Chickahominy River**

TMDL Group ID: **10097**

VAP-G08E_CHK01A00	Chickahominy River	CHARLES CITY CO NEW KENT CO	The Chickahominy River from Walkers Dam to the confluence with Diascund Creek. Size adjusted in 2006 although area did not change CHKOH

VA Overall AU Category: **5A**

Use	Impairment	1.37 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10097	**2006**	**2010**	VAP-G08E-03 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The oligohaline Chickahominy River estuary failed the Shallow Water SAV acreage criteria.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10097	**2006**	**2010**	VAP-G08E-03 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The oligohaline Chickahominy River estuary failed the Shallow Water SAV acreage criteria.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Chickahominy River**

TMDL Group ID: **10097**

VAP-G08E_CHK02A00	Chickahominy River	CHARLES CITY CO JAMES CITY CO	The Chickahominy River from the confluence with Diascund Creek downstream to the James River. CHKOH

VA Overall AU Category: **5A**

Use	Impairment	5.47 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10097	**2006**	**2010**	VAP-G08E-03 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The oligohaline Chickahominy River estuary failed the Shallow Water SAV acreage criteria.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**	10097	**2006**	**2010**	VAP-G08E-03 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The oligohaline Chickahominy River estuary failed the Shallow Water SAV acreage criteria.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Chickahominy River**

TMDL Group ID: **10097**

VAP-G08E_DSC01A00	Diascund Creek	JAMES CITY CO NEW KENT CO	Diascund Creek from the Diascund Reservoir dam downstream to the mouth at the Chickahominy River. CHKOH

VA Overall AU Category: **5A**

Use	Impairment	0.56 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10097	**2006**	**2010**	VAP-G08E-03 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The oligohaline Chickahominy River estuary failed the Shallow Water SAV acreage criteria.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**	10097	**2006**	**2010**	VAP-G08E-03 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The oligohaline Chickahominy River estuary failed the Shallow Water SAV acreage criteria.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Chickahominy River**

TMDL Group ID: **10097**

VAP-G08E_GOR01A06	**Gordon Creek**	JAMES CITY CO	Tidal limit to mouth CHKOH

VA Overall AU Category: **5A**

Use	Impairment	0.30 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10097	**2006**	**2010**	VAP-G08E-03 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The oligohaline Chickahominy River estuary failed the Shallow Water SAV acreage criteria.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10097	**2006**	**2010**	VAP-G08E-03 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The oligohaline Chickahominy River estuary failed the Shallow Water SAV acreage criteria.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Chickahominy River**

TMDL Group ID: **10097**

VAP-G08E_MOC01A02	**Morris Creek**	CHARLES CITY CO	The tidal portion of Morris Creek. CHKOH

VA Overall AU Category: **5A**

Use	Impairment	0.41 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10097	**2006**	**2010**	VAP-G08E-03 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The oligohaline Chickahominy River estuary failed the Shallow Water SAV acreage criteria.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10097	**2006**	**2010**	VAP-G08E-03 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The oligohaline Chickahominy River estuary failed the Shallow Water SAV acreage criteria.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Chickahominy River**

TMDL Group ID: **10097**

VAP-G08E_YRM01A04	**Yarmouth Creek**	JAMES CITY CO	Headwaters to confluence with Little Creek CHKOH

VA Overall AU Category: **5A**

Use	Impairment	0.17 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10097	**2006**	**2010**	VAP-G08E-03 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The oligohaline Chickahominy River estuary failed the Shallow Water SAV acreage criteria.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10097	**2006**	**2010**	VAP-G08E-03 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The oligohaline Chickahominy River estuary failed the Shallow Water SAV acreage criteria.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Chickahominy River**

TMDL Group ID: **10097**

VAP-G08E_ZZZ01A00	Unsegmented estuaries in G08	CHARLES CITY CO NEW KENT CO	Unsegmented portion of watershed CHKOH

VA Overall AU Category: **5A**

Use	Impairment	1.16 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10097	**2006**	**2010**	VAP-G08E-03 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The oligohaline Chickahominy River estuary failed the Shallow Water SAV acreage criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10097	**2006**	**2010**	VAP-G08E-03 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The oligohaline Chickahominy River estuary failed the Shallow Water SAV acreage criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Chickahominy River**

TMDL Group ID: **10098**

VAP-G08E_CHK02A00	Chickahominy River	CHARLES CITY CO JAMES CITY CO	The Chickahominy River from the confluence with Diascund Creek downstream to the James River. CHKOH

VA Overall AU Category: **5A**

Use	Impairment	5.47 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Enterococcus**		10098	**2006**	**2018**	VAP-G08E-04 The segment was assessed as not supporting the Recreation Use due to an enterococci violation rate of 2/8 at 2-CHK002.17. The source of the violations is unknown. Continued monitoring is recommended to increase the data set and confirm the impairment since the fecal coliform violation rates within the segment are acceptable.

Sources: Source Unknown

TMDL Watershed Name: **Chickahominy River, Unnamed Tributary**

TMDL Group ID: **10037**

VAP-G05R_XDD02A06	Chickahominy River, UT	HANOVER CO	Headwaters to Tysons Foods discharge

VA Overall AU Category: **5D**

Use	Impairment	0.58 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		10037	**2006**	**2018**	VAP-G05R-07 The DO impairment is new to the 2006 cycle. The DO impairment is suspected to be caused by low flow conditions exacerbated by the excess phosphorus in the watershed.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed
Non-Point Source

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Chickahominy River, Unnamed Tributary**

TMDL Group ID: **90070**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-G05R_XDD02A06	**Chickahominy River, UT**	HANOVER CO	Headwaters to Tysons Foods discharge

VA Overall AU Category: **5D**

Use	Impairment	0.58 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		90070	**2006**	**2018**	Category 4A VAP-G05R-01 The pH impairment in the segment was determined during the TMDL study for the lower portion of XDD. The TMDL incorporates this segment for pH and therefore the segment should be considered Category 4A.

Sources: Non-Point Source

TMDL Watershed Name: **Chuckatuck Creek**

TMDL Group ID: **01510**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAT-G11R_CKT01A04	**Chuckatuck Creek**	ISLE OF WIGHT CO SUFFOLK CITY	Riverine portion southwest of Longview. Chuckatuck Creek, from confluence of unnamed trib downstream of Rt 600 downstream to confluence of unnamed triburary downstream of Rt 602 (below BIO station @ 2-CKT005.72).

VA Overall AU Category: **5A**

Use	Impairment	1.44 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		01510	**2004**	**2016**	The Aquatic Life Use is impaired based on a moderately impaired rating for freshwater benthic bioassessment. DEQ Streams Benthic-Macroinvertebrate Bioassessments station @ 2-CKT005.72 (Benthic rating of moderate impairment recorded Spring 2000 and Fall 2000].

Sources: Source Unknown

TMDL Watershed Name: **Chuckatuck Creek, Lower**

TMDL Group ID: **01281**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAT-G11E_CKT01A04	**Chuckatuck & Brewers Creeks**	ISLE OF WIGHT CO SUFFOLK CITY	South shore trib to James R., confluence upstream of Nansemond R. Drains Chuckatuck and Benns Church areas. From headwaters to mouths, including tribs. Portion of CBP segment JMSMH. DSS shellfish direct harvesting condemnation # 062- 080 B.

VA Overall AU Category: **5A**

Use	Impairment	1.44 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01281	**2006**	**2010**	DSS shellfish direct harvesting condemnation # 062- 080 B.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Coles Run, Unnamed Tributary**

TMDL Group ID: **10094**

VAP-G01R_XYI01A06	Coles Run, UT	HENRICO CO	Breastworks to mouth at Coles Run

VA Overall AU Category: **5A**

Use	Impairment	1.14 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		10094	**2006**	**2018**	VAP-G01R-12

The segment is assessed as impaired of the Aquatic Life Use based on DO and pH violations of 4/4 at USGS station 0203854210, which is located in the breastworks on the National Battlefield. The violations may be caused by natural conditions, however the source is considered unknown at this time because the total phosphorus screening value was exceeded 2/4 at this station.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed
Source Unknown

TMDL Group ID: **10095**

VAP-G01R_XYI01A06	Coles Run, UT	HENRICO CO	Breastworks to mouth at Coles Run

VA Overall AU Category: **5A**

Use	Impairment	1.14 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		10095	**2006**	**2018**	VAP-G01R-12

The segment is assessed as impaired of the Aquatic Life Use based on DO and pH violations of 4/4 at USGS station 0203854210, which is located in the breastworks on the National Battlefield. The violations may be caused by natural conditions, however the source is considered unknown at this time because the total phosphorus screening value was exceeded 2/4 at this station.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed
Source Unknown

TMDL Watershed Name: **College Creek - Lower**

TMDL Group ID: **76030**

VAT-G10E_CLG01A06	College Creek - Lower	JAMES CITY CO WILLIAMSBURG CITY	Located west of Kingsmill area, James City Co. From convergence of two upstream branches (approx. RM 1.0) downstream to mouth. Portion of CBP segment JMSOH. DSS (ADMINISTRATIVE) shellfish direct harvesting condemnation # 060-069 B [effective .

VA Overall AU Category: **5A**

Use	Impairment	0.15 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Enterococcus**		76030	**2006**	**2018**	The Recreation Use is impaired (2 violate / 14 obs.) due to exceedance of the instantaneous criteria for Enterococcus bacteria.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **College Run**

TMDL Group ID: **01495**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAT-G10R_CGE01A02	**College Run**	SURRY CO	North of Chippokes Plantation State Park, tributary to Cobham Bay (Surry County, PRO station). From convergence of two upstream branches downstream to the confluence with the James River at Cobham Bay.

VA Overall AU Category: **5A**

Use	Impairment	2.30 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		01495	**2004**	**2010**	The Recreatiion Use is impaired due to exceedance of the criteria for Fecal Coliform bacteria (2 violates / 8 obs.).

Sources: Source Unknown

TMDL Watershed Name: **Colliers Creek**

TMDL Group ID: **50258**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAV-I38R_CLL01A00	**Colliers Creek**	ROCKBRIDGE CO	Colliers Creek from the headwaters downstream to its confluence with Buffalo Creek.

VA Overall AU Category: **5A**

Use	Impairment	13.80 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		50258	**2006**	**2018**	Newly listed for bacteria in 2006.

Sources: Non-Point Source
Wildlife Other than Waterfowl

TMDL Watershed Name: **Collins Run**

TMDL Group ID: **01163**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-G07R_CNR01A00	**Collins Run**	CHARLES CITY CO	Collins Run from the headwaters downstream to river mile 0.99.

VA Overall AU Category: **5A**

Use	Impairment	4.36 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		01163	**2002**	**2014**	VAP-G07R-01 The segment was assessed as not supporting of the Recreation and Aquatic Life Uses in 2002 because of fecal coliform and pH violations at two confined animal feeding operation special study locations, 2 -CNR001.16 and 2-CNR001.54. There has been no additional monitoring since 2002, therefore the previous assessment is carried over to 2006.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Collins Run**

TMDL Group ID: **01164**

VAP-G07R_CNR01A00 | **Collins Run** | CHARLES CITY CO | Collins Run from the headwaters downstream to river mile 0.99.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	4.36 MILES	01164	**2002**	**2014**	VAP-G07R-01

The segment was assessed as not supporting of the Recreation and Aquatic Life Uses in 2002 because of fecal coliform and pH violations at two confined animal feeding operation special study locations, 2 -CNR001.16 and 2-CNR001.54.

There has been no additional monitoring since 2002, therefore the previous assessment is carried over to 2006.

Sources: Source Unknown

VAP-G07R_CNR02A00 | **Collins Run** | CHARLES CITY CO | Collins Run from river mile 0.99 downstream to the mouth at the Chickahominy River.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	0.99 MILES	01164	**2004**	**2016**	VAP-G07R-04

The segment was assessed not supporting of the Recreation Use because of fecal coliform violations at 2-CNR000.89.

This station is part of a confined animal feeding operation special study.

Sources: Source Unknown

TMDL Watershed Name: **Courthouse Creek**

TMDL Group ID: **10110**

VAP-H38R_CTS01A06 | **Courthouse Creek** | GOOCHLAND CO
LOUISA CO | Headwaters to mouth at Beaverdam Creek

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	9.82 MILES	10110	**2006**	**2018**	VAP-H38R-06

Courthouse Creek was assessed as impaired of the Recreation Use due to an E. coli violation rate of 2/9 at 2-CTS003.23

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Cowpasture River**

TMDL Group ID: **01673**

VAV-I14R_CWP01A00 **Cowpasture River** BATH CO Cowpasture River from its confluence with Dry Run downstream to its confluence with Lick Run.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	15.54 MILES	01673	**2004**	**2016**	

Sources: Non-Point Source
Wildlife Other than Waterfowl

VAV-I14R_CWP02A04 **Cowpasture River** BATH CO Cowpasture River from its confluence with the Bullpasture River downstream to its confluence with Dry Run.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	16.54 MILES	01673	**2004**	**2016**	

Sources: Non-Point Source
Wildlife Other than Waterfowl

TMDL Watershed Name: **Craig Creek, Upper**

TMDL Group ID: **01693**

VAW-I19R_CRG02A02 **Craig Creek Upper 1** CRAIG CO Craig Creek mainstem from downstream of Abbott and the Rt. 311 crossing upstream to the confluence of Turnpike Creek.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	7.78 MILES	01693	**2004**	**2016**	

Sources: Livestock (Grazing or Feeding Operations)
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)
Unspecified Domestic Waste
Wildlife Other than Waterfowl

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Crewes Channel**

TMDL Group ID: **01137**

VAP-G02R_CCH01A00	Crewes Channel	HENRICO CO	Crewes Channel from the headwaters to Turkey Island Creek.

VA Overall AU Category: **5C**

Use	Impairment	3.31 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		01137	**2004**	**2016**	VAP-G02R-05

Crewes Channel was assessed as not supporting the Aquatic Life Use goal based on pH violation rates of 4/4 and 3/4 at USGS stations 0203874770 and 0203874785, respectively. 2004 monitoring at DEQ station 2-CCH000.54 had an acceptable pH violation rate (0/4), therefore further monitoring in the segment is warranted to confirm the impairment.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

TMDL Watershed Name: **Cunningham Creek, Middle Fork**

TMDL Group ID: **01671**

VAV-H32R_CNM02A04	Middle Fork Cunningham Creek	FLUVANNA CO	Middle Fork Cunningham Creek and tributary from the headwaters downstream to its confluence with an unnamed tributary originating near Antioch.

VA Overall AU Category: **5C**

Use	Impairment	3.72 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		01671	**2004**	**2016**	The impairment is due to suspected natural causes.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

TMDL Group ID: **50249**

VAV-H32R_CNM01A00	Cunningham Creek Middle Fork	FLUVANNA CO	Middle Fork Cunningham Creek from its confluence with an unnamed tributary originating near Antioch downstream to its confluence with Cunngham Creek.

VA Overall AU Category: **5A**

Use	Impairment	3.94 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		50249	**2006**	**2018**	Newly listed for bacteria in 2006.

Sources: Non-Point Source
Wildlife Other than Waterfowl

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Cypress Creek**

TMDL Group ID: **76701**

VAT-G11E_CYP01A06	Cypress Creek	ISLE OF WIGHT CO	South shore tributary to Pagan R, confluence near Smithfield. From end of tidal waters downstream to mouth. Portion of CBP segment JMSMH. DSS shellfish direct harvesting condemnation # 061-064 A.

VA Overall AU Category: **5A**

Use	Impairment	0.26 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		76701	**2006**	**2010**	DSS shellfish direct harvesting condemnation # 061-064 A.

Sources: Source Unknown

TMDL Watershed Name: **Deep Creek**

TMDL Group ID: **00612**

VAT-G15E_DEC01A06	Deep Creek, Southern Br. Elizabeth R.	CHESAPEAKE CITY	Located south of I-64 crossing of Southern Branch Elizabeth River. Eastern shore tributary to Southern Branch. Entirety of Creek. Portion of CBP segment SBEMH. Portion of the DSS (ADMINISTRATIVE) shellfish direct harvesting condemnation # 065-007 E.

VA Overall AU Category: **5A**

Use	Impairment	0.27 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		00612	**2006**	**2016**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04. This segment was previously identified (2004 IR) as a site-specific impairment for PCBs in fish tissue concentrations under TMDL ID VAT-G15E-01-05.

Sources: Source Unknown

TMDL Watershed Name: **Deep Creek, Lower**

TMDL Group ID: **00347**

VAT-G11E_DEP01A02	Deep Creek - Lower	NEWPORT NEWS CITY	Located in Menchville area. Tributary to Warwick R. to James R. From 0.5 mi. above DEQ station @ RM 0.76 downstream to mouth. Portion of CBP segment JMSMH. DSS (ADMINISTRATIVE) shellfish direct harvesting condemnation # 058-034 A.

VA Overall AU Category: **5A**

Use	Impairment	0.10 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Enterococcus**		00347	**2006**	**2010**	The Recreation Use is impaired (2 violate / 13 obs.) due to exceedance of the instantaneous criteria for Enterococcus bacteria. The previous Fecal Coliform indicator bacteria impairment (VAT-G11E-03) no longer applies, replaced by Enterococcus criteria impairment since threshold of 12 observations reached, with TMDL ID and due date same as original FC impairment.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Deep Run**

TMDL Group ID: **10122**

VAP-G06R_DER01A04 **Deep Run** HENRICO CO Headwaters to mouth at White Oak Swamp

VA Overall AU Category: **5C**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	2.33 MILES	10122	**2006**	**2016**	VAP-G06R-10

Deep Run is assessed as not supporting of the Aquatic Life Use based on a pH standard violation rate of 15/15 at 2-DER000.65. This is a TMDL station to address the pH impairment in White Oak Swamp. The Natural Conditions Assessment for low pH in White Oak Swamp was completed and recommends that White Oak Swamp and its tributaries be reclassified as Class VII swampwaters. Until the standards can be revised, the watershed will be considered Cat. 4C for pH.

During the 2006 cycle, Deep Run was also considered impaired of the Aquatic Life Use due to a dissolved oxygen violation rate of 2/15 at 2-DER000.65. Although natural conditions are also suspected, the report only addressed pH, therefore the segment will be classified as Category 5C.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

TMDL Watershed Name: **Dunlap Creek**

TMDL Group ID: **50261**

VAW-I07R_DNP01A00 **Dunlap Creek Lower** ALLEGHANY CO Dunlap Creek mainstem from its mouth on the Jackson River upstream to the Boys Home water intake.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	2.54 MILES	50261	**2006**	**2018**	

Sources: Livestock (Grazing or Feeding Operations)
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)
Unspecified Domestic Waste
Wildlife Other than Waterfowl

VAW-I07R_DNP02A00 **Dunlap Creek Lower 2 PWS** ALLEGHANY CO Dunlap Creek from the Boys Home water intake upstream to the mouth of Ogle Creek, a WQS public water supply designated section.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	3.78 MILES	50261	**2006**	**2018**	

Sources: Livestock (Grazing or Feeding Operations)
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)
Unspecified Domestic Waste
Wildlife Other than Waterfowl

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Eley Swamp**

TMDL Group ID: **00350**

VAT-G12R_ELE01A00	Eley Swamp tributary to Lake Cohoon (PWS)	SUFFOLK CITY	Located northeast of Mrtyle. Segment extends 2.40 mi. upstream and 2.20 mi. downstream from Rt. 607 crossing. Portion of Portsmouth water supply reservoirs.

VA Overall AU Category: **5C**

Use	Impairment	4.60 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		00350	**1998**	**2010**	The Aquatic Life Use impairment, based on pH concentrations below the allowable DEQ minimum criteria (6.0 SU) from the 1998 303d listing is retained due to lack of more recent data. The impairment is believed caused by natural swamp water conditions of low flow velocity and high organic conditions with tannic acids present (these tannic acids may be the cause of the low pH excursions). This segment is containe din the 1999 EPA Consent Decree (Attachment A, Category 1, Part 2).

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

TMDL Watershed Name: **Elizabeth River**

TMDL Group ID: **00356**

VAT-G15E_EBE02A06	Eastern Branch, Elizabeth R. - Lower	CHESAPEAKE CITY NORFOLK CITY	Located between Tanglewood area to mouth. From Broad Creek (RM 4.0) downstream to the confluence with Elizabeth R. mainstem. Portion of CBP segment EBEMH. Portion of the DSS (ADMINISTRATIVE) shellfish direct harvesting condemnation # 065-007 E.

VA Overall AU Category: **5A**

Use	Impairment	1.06 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Tributylin TBT (Tributylstanne)**		00356	**1996**	**2010**	The Aquatic Life Use is impaired based on failure to meet the DEQ tributyltin (TBT) salt water chronic criteria. This segment was previously included (2004 IR) in TMDL ID: VAT-G15E-02-02. The TMDL due date is carried from the previous 2004 IR impairment identification date.

Sources: Other Shipping Releases (Wastes and Detritus)
Shipbuilding, Repairs, Drydocking

VAT-G15E_ELI01A06	Elizabeth River Mainstem - Upper	NORFOLK CITY PORTSMOUTH CITY	From headwaters (RM 8.0) at confluence Southern and Eastern Branches downstream to a line between Hospital Point and Smiths Creek. Portion of CBP segment ELIPH. Portion of the DSS (ADMINISTRATIVE) shellfish direct harvesting condemnation # 065-007 E.

VA Overall AU Category: **5A**

Use	Impairment	0.40 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Tributylin TBT (Tributylstanne)**		00356	**2006**	**2010**	The Aquatic Life Use is impaired based on failure to meet the DEQ tributyltin (TBT) salt water chronic criteria under TMDL ID: VAT-G15E-03-01.

Sources: Other Shipping Releases (Wastes and Detritus)
Shipbuilding, Repairs, Drydocking

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Elizabeth River**

TMDL Group ID: **00356**

VAT-G15E_ELI02A06 — **Elizabeth River Mainstem - Lower** — NORFOLK CITY, PORTSMOUTH CITY

From a line between Hospital Pt and Smiths Cr down stream to mouth (line from northeast corner of Craney Isl. towards Gate 2 at Naval Sta.). Portion of CBP segment ELIPH. Portion of the DSS (ADMINISTRATIVE) shellfish harvesting condemnation # 065-007 E.

VA Overall AU Category: **5A**

Use	Impairment	7.18 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Tributylin TBT (Tributylstanne)**		00356	**2006**	**2010**	The Aquatic Life Use is impaired based on failure to meet the DEQ tributyltin (TBT) salt water chronic criteria under TMDL ID: VAT-G15E-03-01.

Sources: Other Shipping Releases (Wastes and Detritus)
Shipbuilding, Repairs, Drydocking

VAT-G15E_SBE02A06 — **Southern Branch, Elizabeth R. - Middle** — CHESAPEAKE CITY, PORTSMOUTH CITY

North of I-64 crossing and south of Scuffletown Cr. From I-64 crossing @ Deep Cr. confluence (RM 6.86) downstream to the Jordan Bridge (RM 2.30). Portion of CBP segment SBEMH. DSS (ADMINISTRATIVE) shellfish direct harvesting condemnation # 065-007 E.

VA Overall AU Category: **5A**

Use	Impairment	1.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Tributylin TBT (Tributylstanne)**		00356	**2006**	**2010**	The Aquatic Life Use is impaired based on failure to meet the DEQ tributyltin (TBT) salt water chronic criteria under TMDL ID: VAT-G15E-01-04

Sources: Other Shipping Releases (Wastes and Detritus)
Shipbuilding, Repairs, Drydocking

VAT-G15E_SBE03A06 — **Southern Branch, Elizabeth R. - Lower** — CHESAPEAKE CITY, PORTSMOUTH CITY

North of the Jordan Bridge. From the Jordan Bridge, Rt. 337 (RM 2.30) downstream to the mouth, confluence with the mainstem Elizabeth River. Portion of CBP segment SBEMH. DSS (ADMINISTRATIVE) shellfish direct harvesting condemnation # 065-007 E.

VA Overall AU Category: **5A**

Use	Impairment	0.59 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Tributylin TBT (Tributylstanne)**		00356	**2006**	**2010**	The Aquatic Life Use is impaired based on failure to meet the DEQ tributyltin (TBT) salt water chronic criteria under TMDL ID: VAT-G15E-01-04

Sources: Other Shipping Releases (Wastes and Detritus)
Shipbuilding, Repairs, Drydocking

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Elizabeth River**

TMDL Group ID: **76301**

VAT-G15E_BRO01A02 — **Broad Creek, Eastern Br. Elizabeth R.** — NORFOLK CITY

Located between Ingleside and Thomas Corner areas. North shore tributary to Eastern Branch Elizabeth River. Entirety of Broad Creek. Portion of CBP segment EBEMH. Portion of the DSS (ADMINISTRATIVE) shellfish direct harvesting condemnation # 065-007 E.

VA Overall AU Category: **5A**

Use	Impairment	0.37 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Estuarine Bioassessments**		76301	**2006**	**2010**	The Aquatic Life Use is impaired based on failure to meet a statistical evaluation constituting an un-impacted benthic organism population per CBP (Benthic-BIBI) analysis (VERSAR-2005). The source/stressor tool yielded an unknown source for the impairment. This segment was previously included (2004 IR) in TMDL ID: VAT-G15E-01-03. The TMDL due date is carried from the previous 2004 IR impairment identification date.

Sources: Source Unknown

VAT-G15E_EBE01A00 — **Eastern Branch, Elizabeth R. - Upper** — CHESAPEAKE CITY, NORFOLK CITY

Located between Carolanne Farms and Tanglewood areas. Upper Eastern Br., from headwaters to confluence of Broad Creek (RM 4.0). Portion of CBP segment EBEMH. Portion of the DSS (ADMINISTRATIVE) shellfish direct harvesting condemnation # 065-007 E.

VA Overall AU Category: **5A**

Use	Impairment	0.38 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Estuarine Bioassessments**		76301	**2006**	**2010**	The Aquatic Life Use is impaired based on failure to meet a statistical evaluation constituting an un-impacted benthic organism population per CBP (Benthic-BIBI) analysis (VERSAR-2005). The source/stressor tool yielded an unknown source for the impairment. This segment was previously included (2004 IR) in TMDL ID: VAT-G15E-01-03. The TMDL due date is carried from the previous 2004 IR impairment identification date.

Sources: Source Unknown

VAT-G15E_EBE02A06 — **Eastern Branch, Elizabeth R. - Lower** — CHESAPEAKE CITY, NORFOLK CITY

Located between Tanglewood area to mouth. From Broad Creek (RM 4.0) downstream to the confluence with Elizabeth R. mainstem. Portion of CBP segment EBEMH. Portion of the DSS (ADMINISTRATIVE) shellfish direct harvesting condemnation # 065-007 E.

VA Overall AU Category: **5A**

Use	Impairment	1.06 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Estuarine Bioassessments**		76301	**2006**	**2010**	The Aquatic Life Use is impaired based on failure to meet a statistical evaluation constituting an un-impacted benthic organism population per CBP (Benthic-BIBI) analysis (VERSAR-2005). The source/stressor tool yielded an unknown source for the impairment. This segment was previously included (2004 IR) in TMDL ID: VAT-G15E-01-03. The TMDL due date is carried from the previous 2004 IR impairment identification date.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Elizabeth River**

TMDL Group ID: **76301**

VAT-G15E_ELI01A06 — **Elizabeth River Mainstem - Upper** — NORFOLK CITY, PORTSMOUTH CITY

From headwaters (RM 8.0) at confluence Southern and Eastern Branches downstream to a line between Hospital Point and Smiths Creek. Portion of CBP segment ELIPH. Portion of the DSS (ADMINISTRATIVE) shellfish direct harvesting condemnation # 065-007 E.

VA Overall AU Category: **5A**

Use	Impairment	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Estuarine Bioassessments** (0.40 SQUARE MILES)	76301	**2006**	**2010**	The Aquatic Life Use is impaired based on failure to meet a statistical evaluation constituting an un-impacted benthic organism population per CBP (Benthic-BIBI) analysis (VERSAR-2005). The source/stressor tool yielded an unknown source for the impairment

Sources: Source Unknown

VAT-G15E_ELI02A06 — **Elizabeth River Mainstem - Lower** — NORFOLK CITY, PORTSMOUTH CITY

From a line between Hospital Pt and Smiths Cr down stream to mouth (line from northeast corner of Craney Isl. towards Gate 2 at Naval Sta.). Portion of CBP segment ELIPH. Portion of the DSS (ADMINISTRATIVE) shellfish harvesting condemnation # 065-007 E.

VA Overall AU Category: **5A**

Use	Impairment	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Estuarine Bioassessments** (7.18 SQUARE MILES)	76301	**2006**	**2010**	The Aquatic Life Use is impaired based on failure to meet a statistical evaluation constituting an un-impacted benthic organism population per CBP (Benthic-BIBI) analysis (VERSAR-2005). The source/stressor tool yielded an unknown source for the impairment. This segment was previously included (2004 IR) in TMDL ID: VAT-G15E-01-03. The TMDL due date is carried from the previous 2004 IR impairment identification date.

Sources: Source Unknown

VAT-G15E_SBE01A00 — **Southern Branch, Elizabeth R. - Upper** — CHESAPEAKE CITY

Located south of I-64 crossing. From headwaters @ Great Bridge Locks (RM 9.0) downstream to I-64 crossing @ Deep Cr. Confluence (RM 6.86).. Portion of CBP segment SBEMH. DSS (ADMINISTRATIVE) shellfish direct harvesting condemnation # 065-007 E.

VA Overall AU Category: **5A**

Use	Impairment	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Estuarine Bioassessments** (0.62 SQUARE MILES)	76301	**2006**	**2010**	The Aquatic Life Use is impaired based on failure to meet a statistical evaluation constituting an un-impacted benthic organism population per CBP (Benthic-BIBI) analysis (VERSAR-2005). The source/stressor tool yielded an unknown source for the impairment. This segment was previously included (2004 IR) in TMDL ID: VAT-G15E-01-03. The TMDL due date is carried from the previous 2004 IR impairment identification date.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Elizabeth River**

TMDL Group ID: **76301**

VAT-G15E_WBE01A02 **Western Branch, Elizabeth R. - Upper** CHESAPEAKE CITY PORTSMOUTH CITY

Located between Stewart Manor and Point Elizabeth areas. From headwaters (RM 8.5) downstream to Sterns Creek (RM 3.5). Portion of CBP segment WBEMH. Portion of the DSS (ADMINISTRATIVE) shellfish direct harvesting condemnation # 065-007 E.

VA Overall AU Category: **5A**

Use	Impairment	0.56 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Estuarine Bioassessments**		76301	**2006**	**2010**	The Aquatic Life Use is impaired based on failure to meet a statistical evaluation constituting an un-impacted benthic organism population per CBP (Benthic-BIBI) analysis (VERSAR-2005). The source/stressor tool yielded an unknown source for the impairment

Sources: Source Unknown

VAT-G15E_WBE02A00 **Western Branch, Elizabeth R. - Lower** CHESAPEAKE CITY PORTSMOUTH CITY

Located between the Point Elizabeth and Lovett Point areas. From Sterns Creek confluence (RM 3.5) downstream to the mouth. Portion of CBP segment WBEMH. Portion of the DSS (ADMINISTRATIVE) shellfish direct harvesting condemnation # 065-007 E.

VA Overall AU Category: **5A**

Use	Impairment	1.60 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Estuarine Bioassessments**		76301	**2006**	**2010**	The Aquatic Life Use is impaired based on failure to meet a statistical evaluation constituting an un-impacted benthic organism population per CBP (Benthic-BIBI) analysis (VERSAR-2005). The source/stressor tool yielded an unknown source for the impairment

Sources: Source Unknown

TMDL Watershed Name: **Elizabeth River Mainstem - Upper**

TMDL Group ID: **76041**

VAT-G15E_ELI01A06 **Elizabeth River Mainstem - Upper** NORFOLK CITY PORTSMOUTH CITY

From headwaters (RM 8.0) at confluence Southern and Eastern Branches downstream to a line between Hospital Point and Smiths Creek. Portion of CBP segment ELIPH. Portion of the DSS (ADMINISTRATIVE) shellfish direct harvesting condemnation # 065-007 E.

VA Overall AU Category: **5A**

Use	Impairment	0.40 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Enterococcus**		76041	**2006**	**2018**	The Recreation Use is impaired (3 violates / 28 observations) due to exceedance of the instantaneous criteria for Enterococcus bacteria. This segment is added for 2006 IR as TMDL ID: VAT-G15E-02-02, to the previously established TMDL ID (2004 IR) as it is

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Elizabeth River Polyhaline Embayments**

TMDL Group ID: **76089**

VAT-G15E_ELI01A06	Elizabeth River Mainstem - Upper	NORFOLK CITY PORTSMOUTH CITY	From headwaters (RM 8.0) at confluence Southern and Eastern Branches downstream to a line between Hospital Point and Smiths Creek. Portion of CBP segment ELIPH. Portion of the DSS (ADMINISTRATIVE) shellfish direct harvesting condemnation # 065-007 E.

VA Overall AU Category: **5A**

Use	Impairment	0.40 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		76089	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		76089	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Elizabeth River Polyhaline Embayments**

TMDL Group ID: **76089**

VAT-G15E_ELI02A06	Elizabeth River Mainstem - Lower	NORFOLK CITY PORTSMOUTH CITY	From a line between Hospital Pt and Smiths Cr down stream to mouth (line from northeast corner of Craney Isl. towards Gate 2 at Naval Sta.). Portion of CBP segment ELIPH. Portion of the DSS (ADMINISTRATIVE) shellfish harvesting condemnation # 065-007 E.

VA Overall AU Category: **5A**

Use	Impairment	7.18 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		76089	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		76089	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Elizabeth River Polyhaline Embayments**

TMDL Group ID: **76089**

VAT-G15E_SCO01A06	Scott Creek	NORFOLK CITY PORTSMOUTH CITY	South shore tributary of Elizabeth River mainstem. Upstream of Pinner Point. Portion of CBP segment ELIPH. Portion of the DSS (ADMINISTRATIVE) shellfish harvesting condemnation # 065-007 E.

VA Overall AU Category: **5A**

Use	Impairment	0.19 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		76089	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		76089	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Elizabeth River Polyhaline Embayments**

TMDL Group ID: **76089**

VAT-G15E_ZZZ02A06	**Unsegmented estuaries in Elizabeth River System**	CHESAPEAKE CITY VIRGINIA BEACH CITY	Non-segmented tributaries of the Elizabeth River System. Portion of CBP segment ELIPH. Portion of the DSS (ADMINISTRATIVE) shellfish harvesting condemnation # 065-007 E.

VA Overall AU Category: **5A**

Use	Impairment	2.07 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		76089	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		76089	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Elizabeth River, Eastern Branch**

TMDL Group ID: **76550**

VAT-G15E_EBE02A06	Eastern Branch, Elizabeth R. - Lower	CHESAPEAKE CITY NORFOLK CITY	Located between Tanglewood area to mouth. From Broad Creek (RM 4.0) downstream to the confluence with Elizabeth R. mainstem. Portion of CBP segment EBEMH. Portion of the DSS (ADMINISTRATIVE) shellfish direct harvesting condemnation # 065-007 E.

VA Overall AU Category: **5A**

Use	Impairment	1.06 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Enterococcus**		76550	**2006**	**2016**	The Recreation Use is impaired (4 violates / 28 observations) due to exceedance of the instantaneous criteria for Enterococcus bacteria. The previous Fecal Coliform indicator bacteria impairment no longer applies, replaced by Enterococcus criteria impairment since threshold of 12 observations reached, with TMDL ID and due date same as original FC impairment.

Sources: Source Unknown

TMDL Watershed Name: **Elizabeth River, Eastern Branch (Middle)**

TMDL Group ID: **00613**

VAT-G15E_EBE02A06	Eastern Branch, Elizabeth R. - Lower	CHESAPEAKE CITY NORFOLK CITY	Located between Tanglewood area to mouth. From Broad Creek (RM 4.0) downstream to the confluence with Elizabeth R. mainstem. Portion of CBP segment EBEMH. Portion of the DSS (ADMINISTRATIVE) shellfish direct harvesting condemnation # 065-007 E.

VA Overall AU Category: **5A**

Use	Impairment	1.06 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		00613	**2006**	**2016**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04. This segment was previously identified (2004 IR) as a site-specific impairment for PCBs in fish tissue concentrations under TMDL ID: VAT-G15E-02-02, this previous impairment TMDL due date is carried forward for this AU, rather than base the TMDL due date on the issuance date of the VDH PCB advisory.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Elizabeth River, Eastern Branch Mesohaline Embayments**

TMDL Group ID: **76090**

VAT-G15E_BRO01A02	Broad Creek, Eastern Br. Elizabeth R.	NORFOLK CITY	Located between Ingleside and Thomas Corner areas. North shore tributary to Eastern Branch Elizabeth River. Entirety of Broad Creek. Portion of CBP segment EBEMH. Portion of the DSS (ADMINISTRATIVE) shellfish direct harvesting condemnation # 065-007 E.

VA Overall AU Category: **5A**

Use	Impairment	0.37 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		76090	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO). This segment was previously identified as impaired for dissolved oxygen concentrations below the DEQ allowable minimum criteria (4.0 mg/l) as identified at DEQ (AQM) monitoring station @ 2-BRO002.95, 2-BRO001.35 under TMDL ID: VAT-G15E-02-04.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**	76090	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO). This segment was previously identified as impaired for dissolved oxygen concentrations below the DEQ allowable minimum criteria (4.0 mg/l) as identified at DEQ (AQM) monitoring station @ 2-BRO002.95, 2-BRO001.35 under TMDL ID: VAT-G15E-02-04.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Elizabeth River, Eastern Branch Mesohaline Embayments**

TMDL Group ID: **76090**

VAT-G15E_EBE01A00	Eastern Branch, Elizabeth R. - Upper	CHESAPEAKE CITY NORFOLK CITY	Located between Carolanne Farms and Tanglewood areas. Upper Eastern Br., from headwaters to confluence of Broad Creek (RM 4.0). Portion of CBP segment EBEMH. Portion of the DSS (ADMINISTRATIVE) shellfish direct harvesting condemnation # 065-007 E.

VA Overall AU Category: **5A**

Use	Impairment	0.38 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		76090	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		76090	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO). This segment was previously identified as impaired for dissolved oxygen concentrations below the DEQ allowable minimum criteria (4.0 mg/l) as identified at DEQ (AQM) monitoring station @ 2-BRO002.95, 2-BRO001.35 under TMDL ID: VAT-G15E-02-04.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Elizabeth River, Eastern Branch Mesohaline Embayments**

TMDL Group ID: **76090**

VAT-G15E_EBE02A06	Eastern Branch, Elizabeth R. - Lower	CHESAPEAKE CITY NORFOLK CITY	Located between Tanglewood area to mouth. From Broad Creek (RM 4.0) downstream to the confluence with Elizabeth R. mainstem. Portion of CBP segment EBEMH. Portion of the DSS (ADMINISTRATIVE) shellfish direct harvesting condemnation # 065-007 E.

VA Overall AU Category: **5A**

Use	Impairment	1.06 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		76090	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		76090	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO). This segment was previously identified as impaired for

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Elizabeth River, Eastern Branch Mesohaline Embayments**

TMDL Group ID: **76090**

VAT-G15E_IND01A02	Indian River - Eastern Branch, Elizabeth R.	CHESAPEAKE CITY	Located southwest of Broad Creek. Between Campostella Heights and Tanglewood. Entirety of creek including tribs. Portion of CBP segment EBEMH. Portion of the DSS (ADMINISTRATIVE) shellfish direct harvesting condemnation # 065-007 E.

VA Overall AU Category: **5A**

Use	Impairment	0.27 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		76090	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		76090	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Elizabeth River, Eastern Branch Mesohaline Embayments**

TMDL Group ID: **76090**

VAT-G15E_WBE01A02	Western Branch, Elizabeth R. - Upper	CHESAPEAKE CITY PORTSMOUTH CITY	Located between Stewart Manor and Point Elizabeth areas. From headwaters (RM 8.5) downstream to Sterns Creek (RM 3.5). Portion of CBP segment WBEMH. Portion of the DSS (ADMINISTRATIVE) shellfish direct harvesting condemnation # 065-007 E.

VA Overall AU Category: **5A**

Use	Impairment	0.56 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		76090	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Non-Point Source)
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		76090	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO). This segment was previously identified as impaired for

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Non-Point Source)
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Elizabeth River, Eastern Branch Mesohaline Embayments**

TMDL Group ID: **76090**

VAT-G15E_WBE02A00	Western Branch, Elizabeth R. - Lower	CHESAPEAKE CITY PORTSMOUTH CITY	Located between the Point Elizabeth and Lovett Point areas. From Sterns Creek confluence (RM 3.5) downstream to the mouth. Portion of CBP segment WBEMH. Portion of the DSS (ADMINISTRATIVE) shellfish direct harvesting condemnation # 065-007 E.

VA Overall AU Category: **5A**

Use	Impairment	1.60 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		76090	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		76090	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO). This segment was previously identified as impaired for

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Elizabeth River, Southern Branch**

TMDL Group ID: **00693**

VAT-G15E_SBE03A06	Southern Branch, Elizabeth R. - Lower	CHESAPEAKE CITY PORTSMOUTH CITY	North of the Jordan Bridge. From the Jordan Bridge, Rt. 337 (RM 2.30) downstream to the mouth, confluence with the mainstem Elizabeth River. Portion of CBP segment SBEMH. DSS (ADMINISTRATIVE) shellfish direct harvesting condemnation # 065-007 E.

VA Overall AU Category: **5A**

Use	Impairment	0.59 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Enterococcus**		00693	**2006**	**2010**	The Recreation Use is impaired (4 violates / 25 observations) due to exceedance of the instantaneous criteria for Enterococcus bacteria. The previous Fecal Coliform indicator bacteria impairment no longer applies, replaced by Enterococcus criteria impairment since threshold of 12 observations reached, with TMDL ID: VAT-G15E-01-02 and due date same as original FC impairment.

Sources: Source Unknown

TMDL Group ID: **76300**

VAT-G15E_SBE03A06	Southern Branch, Elizabeth R. - Lower	CHESAPEAKE CITY PORTSMOUTH CITY	North of the Jordan Bridge. From the Jordan Bridge, Rt. 337 (RM 2.30) downstream to the mouth, confluence with the mainstem Elizabeth River. Portion of CBP segment SBEMH. DSS (ADMINISTRATIVE) shellfish direct harvesting condemnation # 065-007 E.

VA Overall AU Category: **5A**

Use	Impairment	0.59 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Estuarine Bioassessments**		76300	**2006**	**2010**	The Aquatic Life Use is impaired based on failure to meet a statistical evaluation constituting an un-impacted benthic organism population per CBP (Benthic-BIBI) analysis (VERSAR-2005). The source/stressor tool yielded an unknown source for the impairment

Sources: Source Unknown

TMDL Watershed Name: **Elizabeth River, Southern Branch - Middle**

TMDL Group ID: **76302**

VAT-G15E_SBE02A06	Southern Branch, Elizabeth R. - Middle	CHESAPEAKE CITY PORTSMOUTH CITY	North of I-64 crossing and south of Scuffletown Cr. From I-64 crossing @ Deep Cr. confluence (RM 6.86) downstream to the Jordan Bridge (RM 2.30). Portion of CBP segment SBEMH. DSS (ADMINISTRATIVE) shellfish direct harvesting condemnation # 065-007 E.

VA Overall AU Category: **5A**

Use	Impairment	1.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Estuarine Bioassessments**		76302	**2006**	**2010**	The Aquatic Life Use is impaired based on failure to meet a statistical evaluation constituting an un-impacted benthic organism population per CBP (Benthic-BIBI) analysis (VERSAR-2005). The source/stressor tool yielded an unknown source for the impairment

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Elizabeth River, Southern Branch Mesohaline Embayments**

TMDL Group ID: **76078**

VAT-G15E_DEC01A06	Deep Creek, Southern Br. Elizabeth R.	CHESAPEAKE CITY	Located south of I-64 crossing of Southern Branch Elizabeth River. Eastern shore tributary to Southern Branch. Entirety of Creek. Portion of CBP segment SBEMH. Portion of the DSS (ADMINISTRATIVE) shellfish direct harvesting condemnation # 065-007 E.

VA Overall AU Category: **5A**

Use	Impairment	0.27 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		76078	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO). This segment was previously identified as impaired for

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Non-Point Source)
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Deep-Water Aquatic Life	**Oxygen, Dissolved**		76078	**2006**	**2010**	The Deep-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Deep Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Non-Point Source)
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		76078	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Non-Point Source)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Elizabeth River, Southern Branch Mesohaline Embayments**

TMDL Group ID: **76078**

Sources: Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Elizabeth River, Southern Branch Mesohaline Embayments**

TMDL Group ID: **76078**

VAT-G15E_NMC01A00	New Mill Creek - Southern Br. Elizabeth R.	CHESAPEAKE CITY	Located south of I-64 crossing of Southern Br. Elizabeth R. Eastern shore tributary to Southern Branch, down stream of locks. Entirety of Creek. Portion of CBP segment SBEMH. DSS (ADMINISTRATIVE) shellfish direct harvesting condemnation # 065-007 E.

VA Overall AU Category: **5A**

Use	Impairment	0.07 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		76078	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO). The Deep-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Deep Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Non-Point Source)
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Deep-Water Aquatic Life	**Oxygen, Dissolved**	76078	**2006**	**2010**	The Deep-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Deep Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Non-Point Source)
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**	76078	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Elizabeth River, Southern Branch Mesohaline Embayments**

TMDL Group ID: **76078**

Sources: Wet Weather Discharges (Non-Point Source)
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Elizabeth River, Southern Branch Mesohaline Embayments**

TMDL Group ID: **76078**

VAT-G15E_PAR01A06	Paradise Creek - Southern Br. Elizabeth R.	CHESAPEAKE CITY PORTSMOUTH CITY	Located south of Norfolk Naval Shipyard. Eastern shore tributary to Southern Branch. Entirety of Creek. Portion of CBP segment SBEMH. DSS (ADMINISTRATIVE) shellfish direct harvesting condemnation # 065-007 E.

VA Overall AU Category: **5A**

Use	Impairment (0.06 SQUARE MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	76078	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO). The Deep-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Deep Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Non-Point Source)
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Deep-Water Aquatic Life	**Oxygen, Dissolved**	76078	**2006**	**2010**	The Deep-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Deep Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Non-Point Source)
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**	76078	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Non-Point Source)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Elizabeth River, Southern Branch Mesohaline Embayments**

TMDL Group ID: **76078**

Sources: Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Elizabeth River, Southern Branch Mesohaline Embayments**

TMDL Group ID: **76078**

VAT-G15E_SBE01A00	Southern Branch, Elizabeth R. - Upper	CHESAPEAKE CITY	Located south of I-64 crossing. From headwaters @ Great Bridge Locks (RM 9.0) downstream to I-64 crossing @ Deep Cr. Confluence (RM 6.86).. Portion of CBP segment SBEMH. DSS (ADMINISTRATIVE) shellfish direct harvesting condemnation # 065-007 E.

VA Overall AU Category: **5A**

Use	Impairment	0.62 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		76078	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO). The Deep-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Deep Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Non-Point Source)
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Deep-Water Aquatic Life	**Oxygen, Dissolved**	76078	**2006**	**2010**	The Deep-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Deep Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Non-Point Source)
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**	76078	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Elizabeth River, Southern Branch Mesohaline Embayments**

TMDL Group ID: **76078**

Sources: Wet Weather Discharges (Non-Point Source)
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Elizabeth River, Southern Branch Mesohaline Embayments**

TMDL Group ID: **76078**

VAT-G15E_SBE02A06	Southern Branch, Elizabeth R. - Middle	CHESAPEAKE CITY PORTSMOUTH CITY	North of I-64 crossing and south of Scuffletown Cr. From I-64 crossing @ Deep Cr. confluence (RM 6.86) downstream to the Jordan Bridge (RM 2.30). Portion of CBP segment SBEMH. DSS (ADMINISTRATIVE) shellfish direct harvesting condemnation # 065-007 E.

VA Overall AU Category: **5A**

Use	Impairment	1.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		76078	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO). The Deep-Water Aquatic Life Use is impaired based on fa

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Non-Point Source)
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Deep-Water Aquatic Life	**Oxygen, Dissolved**		76078	**2006**	**2010**	The Deep-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Deep Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Non-Point Source)
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		76078	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Non-Point Source)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Elizabeth River, Southern Branch Mesohaline Embayments**

TMDL Group ID: **76078**

Sources: Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Elizabeth River, Southern Branch Mesohaline Embayments**

TMDL Group ID: **76078**

VAT-G15E_SBE03A06	Southern Branch, Elizabeth R. - Lower	CHESAPEAKE CITY PORTSMOUTH CITY	North of the Jordan Bridge. From the Jordan Bridge, Rt. 337 (RM 2.30) downstream to the mouth, confluence with the mainstem Elizabeth River. Portion of CBP segment SBEMH. DSS (ADMINISTRATIVE) shellfish direct harvesting condemnation # 065-007 E.

VA Overall AU Category: **5A**

Use	Impairment	0.59 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		76078	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO). The Deep-Water Aquatic Life Use is impaired based on fa

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Non-Point Source)
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Deep-Water Aquatic Life	**Oxygen, Dissolved**	76078	**2006**	**2010**	The Deep-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Deep Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Non-Point Source)
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**	76078	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Non-Point Source)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Elizabeth River, Southern Branch Mesohaline Embayments**

TMDL Group ID: **76078**

Sources: Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Elizabeth River, Southern Branch Mesohaline Embayments**

TMDL Group ID: **76078**

VAT-G15E_STJ01A04	Saint Julian Creek	CHESAPEAKE CITY	Northwest of Gilmerton Bridge. Eastern shore tributary to Southern Branch. Entirety of Creek. Portion of CBP segment SBEMH. Portion of the DSS (ADMINISTRATIVE) shellfish direct harvesting condemnation # 065-007 E.

VA Overall AU Category: **5A**

Use	Impairment (0.12 SQUARE MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	76078	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO). The Deep-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Deep Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Non-Point Source)
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Deep-Water Aquatic Life	**Oxygen, Dissolved**	76078	**2006**	**2010**	The Deep-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Deep Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Non-Point Source)
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**	76078	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Non-Point Source)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Elizabeth River, Southern Branch Mesohaline Embayments**

TMDL Group ID: **76078**

Sources: Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

TMDL Watershed Name: **Elizabeth River, Western Branch**

TMDL Group ID: **00616**

VAT-G15E_WBE01A02 **Western Branch, Elizabeth R. - Upper** CHESAPEAKE CITY PORTSMOUTH CITY

Located between Stewart Manor and Point Elizabeth areas. From headwaters (RM 8.5) downstream to Sterns Creek (RM 3.5). Portion of CBP segment WBEMH. Portion of the DSS (ADMINISTRATIVE) shellfish direct harvesting condemnation # 065-007 E.

VA Overall AU Category: **5A**

Use	Impairment	0.56 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		00616	**2006**	**2016**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04. This segment was previously identified (2004 IR) as a site-specific impairment for PCBs in fish tissue concentrations under TMDL ID VAT-G15E-04-02, this previous impairment TMDL due date is carried forward for this AU, rather than base the TMDL due date on the issuance date of the VDH PCB advisory.

Sources: Source Unknown

VAT-G15E_WBE02A00 **Western Branch, Elizabeth R. - Lower** CHESAPEAKE CITY PORTSMOUTH CITY

Located between the Point Elizabeth and Lovett Point areas. From Sterns Creek confluence (RM 3.5) downstream to the mouth. Portion of CBP segment WBEMH. Portion of the DSS (ADMINISTRATIVE) shellfish direct harvesting condemnation # 065-007 E.

VA Overall AU Category: **5A**

Use	Impairment	1.60 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		00616	**2006**	**2016**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04. This segment was previously identified (2004 IR) as a site-specific impairment for PCBs in fish tissue concentrations under TMDL ID VAT-G15E-04-02, this previous impairment TMDL due date is carried forward for this AU, rather than base the TMDL due date on the issuance date of the VDH PCB advisory. Fish Tissue impairment from 2002 303d assessment of 1993 Fish Tissue (2-species with PCBs) @ 2-WBE002.11. 2001 sampling showed 2-species @ 2-WBE002.11 & 3m species @ 2-WBE006.18 exceed DV (52 ppb) PCB contamination exceedance.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Elizabeth River, Western Branch**

TMDL Group ID: **01538**

VAT-G15E_WBE01A02 **Western Branch, Elizabeth R. - Upper** CHESAPEAKE CITY PORTSMOUTH CITY

Located between Stewart Manor and Point Elizabeth areas. From headwaters (RM 8.5) downstream to Sterns Creek (RM 3.5). Portion of CBP segment WBEMH. Portion of the DSS (ADMINISTRATIVE) shellfish direct harvesting condemnation # 065-007 E.

VA Overall AU Category: **5A**

Use	Impairment	0.56 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Enterococcus**		01538	**2006**	**2016**	The Recreation Use is impaired (4 violates / 26 observations) due to exceedance of the instantaneous criteria for Enterococcus bacteria. The previous Fecal Coliform indicator bacteria impairment no longer applies, replaced by Enterococcus criteria impairment since threshold of 12 observations reached, with TMDL ID: VAT-G15E-04-01 and due date same as original FC impairment.

Sources: Source Unknown

VAT-G15E_WBE02A00 **Western Branch, Elizabeth R. - Lower** CHESAPEAKE CITY PORTSMOUTH CITY

Located between the Point Elizabeth and Lovett Point areas. From Sterns Creek confluence (RM 3.5) downstream to the mouth. Portion of CBP segment WBEMH. Portion of the DSS (ADMINISTRATIVE) shellfish direct harvesting condemnation # 065-007 E.

VA Overall AU Category: **5A**

Use	Impairment	1.60 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Enterococcus**		01538	**2006**	**2016**	The Recreation Use is impaired (4 violates / 26 observations) due to exceedance of the instantaneous criteria for Enterococcus bacteria. The previous Fecal Coliform indicator bacteria impairment no longer applies, replaced by Enterococcus criteria impairment since threshold of 12 observations reached, with TMDL ID: VAT-G15E-04-01 and due date same as original FC impairment.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Elizabeth River, Western Branch Mesohaline Embayments**

TMDL Group ID: **76074**

VAT-G15E_BAB01A06	Bailey Creek - Western Branch, Elizabeth R.	CHESAPEAKE CITY	Western shore tributary to the Western Branch. Entirety of creek including tributaries. Located in the area of Charlton Village to Ahoy Acres. Portion of CBP segment WBEMH. Portion of the DSS (ADMINISTRATIVE) shellfish harvesting condemnation # 065-007 E.

VA Overall AU Category: **5A**

Use	Impairment	0.04 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		76074	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		76074	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Elizabeth River, Western Branch Mesohaline Embayments**

TMDL Group ID: **76074**

VAT-G15E_DPT01A06	Drum Point Creek - Western Branch, Elizabeth R.	CHESAPEAKE CITY	Western shore trib to the Western Br. Entirety of creek including tributaries. Located in the area of Charlton Village to Ahoy Acres. Portion of CBP segment WBEMH. Portion of the DSS (ADMINISTRATIVE) shellfish harvesting condemnation # 065-007 E.

VA Overall AU Category: **5A**

Use	Impairment	0.15 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		76074	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		76074	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Elizabeth River, Western Branch Mesohaline Embayments**

TMDL Group ID: **76074**

VAT-G15E_GOE01A06	Goose Creek - Western Branch, Elizabeth R.	CHESAPEAKE CITY	Headwaters tributary to the Western Branch. Entirety of creek including tributaries. Located in the area of Charlton Village to Ahoy Acres. Portion of CBP segment WBEMH. Portion of the DSS (ADMINISTRATIVE) shellfish harvesting condemnation # 065-007 E.

VA Overall AU Category: **5A**

Use	Impairment	0.05 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		76074	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		76074	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Ellis Run and Mill Creek**

TMDL Group ID: **01703**

VAW-I26R_ELS01A02 **Ellis Run** BOTETOURT CO Ellis Run mainstem from the Rt. 65 crossing downstream to its confluence with Back Creek.

VA Overall AU Category: **5A**

Use	Impairment	1.60 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		01703	**2004**	**2016**	12 or more Escherichia coli (E.coli) bacteria samples.

Sources: Livestock (Grazing or Feeding Operations)
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)
Unspecified Domestic Waste
Wildlife Other than Waterfowl

VAW-I26R_MIA01A04 **Mill Creek** BOTETOURT CO Mill Creek mainstem from just downstream of the Rt. 11 crossing on downstream to the Mill Creek confluence with Back Creek.

VA Overall AU Category: **5A**

Use	Impairment	8.29 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		01703	**2004**	**2016**	12 or more Escherichia coli (E.coli) bacteria samples.

Sources: Livestock (Grazing or Feeding Operations)
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)
Unspecified Domestic Waste
Wastes from Pets
Wildlife Other than Waterfowl

TMDL Watershed Name: **Falling Creek**

TMDL Group ID: **01129**

VAP-G01R_FAC01A00 **Falling Creek** CHESTERFIELD CO Falling Creek from the Falling Creek Reservoir dam to the James River.

VA Overall AU Category: **5A**

Use	Impairment	3.80 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		01129	**2006**	**2014**	VAP-G01R-03 Falling Creek was initially assessed as not supporting of the Recreation use support goal in 2002 based on fecal coliform standard violations recorded at the Route 1 bridge (2-FAC000.85). During the 2006 cycle, the impairment was switched to E. coli based on a violation rate of 2/12.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Falling Creek**

TMDL Group ID: **10002**

VAP-G01R_FAC02A04	Falling Creek	CHESTERFIELD CO	Falling Creek from its headwaters to the extent of backwater of Falling Creek Reservoir.

VA Overall AU Category: **5A**

Use	Impairment	15.39 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		10002	**2006**	**2018**	VAP-G01R-04 Falling Creek from its headwaters downstream to Falling Creek Reservoir was assessed as not supporting the Recreation Use during the 2006 cycle based on the following bacteria violation rates: Fecal coliform 5/22, E. coli 2/9 at 2-FAC009.46 E. coli 3/9 at 2-FAC017.80
		Sources: Source Unknown				
Recreation	**Fecal Coliform**		10002	**2006**	**2018**	VAP-G01R-04 Falling Creek from its headwaters downstream to Falling Creek Reservoir was assessed as not supporting the Recreation Use during the 2006 cycle based on the following bacteria violation rates: Fecal coliform 5/22, E. coli 2/9 at 2-FAC009.46 E. coli 3/9 at 2-FAC017.80
		Sources: Source Unknown				

TMDL Watershed Name: **Fine Creek**

TMDL Group ID: **01178**

VAP-H38R_FIN01A98	Fine Creek	POWHATAN CO	Fine Creek from its headwaters to its mouth.

VA Overall AU Category: **5A**

Use	Impairment	10.34 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		01178	**2006**	**2016**	VAP-H38R-01 The segment was assessed as impaired of the Recreation Use during the year 2006 cycle due to a fecal coliform violation rate of 5/31 and an E. coli violation rate of 2/10 at the Route 711 bridge (2-FIN000.81).
		Sources: Source Unknown				
Recreation	**Fecal Coliform**		01178	**2004**	**2016**	VAP-H38R-01 The segment was assessed as impaired of the Recreation Use during the year 2006 cycle due to a fecal coliform violation rate of 5/31 and an E. coli violation rate of 2/10 at the Route 711 bridge (2-FIN000.81).
		Sources: Source Unknown				

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Fisby Branch**

TMDL Group ID: **00735**

VAC-H21R_FRY01A00	**Fisby Branch**	BUCKINGHAM CO	Frisby Branch from the headwaters to an unnamed tributary at river mile 2.4.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	1.34	MILES	00735	**2002**	**2014**	

Sources: Source Unknown

VAC-H21R_FRY02A00	**Frisby Branch**	BUCKINGHAM CO	Frisby Branch from an unnamed tributary at river mile 2.4 to the confluence with Grease Creek.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	2.59	MILES	00735	**2004**	**2016**	

Sources: Source Unknown

TMDL Watershed Name: **Fishing Creek**

TMDL Group ID: **00359**

VAC-H03R_FSG01A00	**Fishing Creek**	LYNCHBURG CITY	Fishing Creek mainstem from its confluence with the James River upstream to its headwaters.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	5.45	MILES	00359	**1996**	**2010**	

Sources: Combined Sewer Overflows

TMDL Watershed Name: **Fluvanna Ruritan Lake**

TMDL Group ID: **50051**

VAV-H32L_00	**Fluvanna Ruritan Lake**	FLUVANNA CO	Fluvanna Ruritan Lake

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**	70.00	ACRES	50051	**2006**	**2018**	Newly listed for dissolved oxygen and pH in 2006.

Sources: Atmospheric Deposition - Acidity

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Fourmile Creek**

TMDL Group ID: **00051**

VAP-G02R_FOM02A06	Upper Fourmile Creek	HENRICO CO	Fourmile Creek and tribs upstream of rivermile 5.57

VA Overall AU Category: **5C**

Use	Impairment	5.79 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00051	**2006**	**2014**	VAP-G02R-01

The segment was assessed as not supporting of the Recreation use support goal based on an E. coli standard violation rate of 5/20 at the Route 5 bridge (2-FOM003.60). The segment was initially considered threatened in 1998 and downgraded to impaired in 2002 due to fecal coliform violations; the TMDL was due in 2014. The bacteria standard has not converted to E. coli. The bacteria TMDL for the Fourmile Creek watershed was completed and approved by EPA on 9/20/2004. The segment will be assessed as Cat. 4A.

Sources: Non-Point Source
Urban Runoff/Storm Sewers

TMDL Watershed Name: **Fourmile Creek, Upper**

TMDL Group ID: **10030**

VAP-G02R_FOM02A06	Upper Fourmile Creek	HENRICO CO	Fourmile Creek and tribs upstream of rivermile 5.57

VA Overall AU Category: **5C**

Use	Impairment	5.79 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		10030	**2006**	**2018**	VAP-G02R-06

During the 2006 cycle, the upstream portion of the Fourmile Creek watershed was considered impaired due to dissolved oxygen violations at 2-FOM006.87 and 2-XTV001.69 (4/15 and 2/12, respectively). Natural conditions are suspected.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Franks Branch**

TMDL Group ID: **15013**

VAP-J17R_FNK01A00	Franks Branch	CHESTERFIELD CO	Franks Branch from the headwaters to the mouth at Swift Creek.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**	10.04 MILES	15013	**2006**	**2018**	15013 (pH) VAP-J17R-03 The segment was assessed as not supporting for aquatic life use due to a pH violation rate of 3/12 at 2-FNK-001.12. There was a pH violation rate of 16/23 recorded by Chesterfield Co for stations WQ-10 and WQ-11. These data were not acceptable for an impairment but will be assessed as an observed effect for low pH.

Sources: Source Unknown

TMDL Watershed Name: **Gillies Creek**

TMDL Group ID: **01131**

VAP-G01R_GIL01A04	Gillies Creek	HENRICO CO RICHMOND CITY	Headwaters to mainstem

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	5.79 MILES	01131	**2004**	**2016**	VAP-G01R-06 Gillies Creek was initially assessed as not supporting the Aquatic Life and Recreation uses in 2004 based on monitoring at the Government Road Bridge (2-GIL000.42). During the 2006 cycle, the pH violation rate was 2/12 and the fecal coliform violation rate was 7/12.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Gillies Creek**

TMDL Group ID: **01133**

VAP-G01R_GIL01A04	Gillies Creek	HENRICO CO RICHMOND CITY	Headwaters to mainstem

VA Overall AU Category: **5A**

Use	Impairment	5.79 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		01133	**2004**	**2016**	VAP-G01R-06 Gillies Creek was initially assessed as not supporting the Aquatic Life and Recreation uses in 2004 based on monitoring at the Government Road Bridge (2-GIL000.42). During the 2006 cycle, the pH violation rate was 2/12 and the fecal coliform violation rate was 7/12.

Sources: Source Unknown

TMDL Watershed Name: **Goode Creek**

TMDL Group ID: **01132**

VAP-G01R_GOD01A00	Goode Creek	RICHMOND CITY	Goode Creek from the confluence with Broad Rock Creek to the James River.

VA Overall AU Category: **5A**

Use	Impairment	1.23 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		01132	**2006**	**2014**	VAP-G01R-01 During the 2006 cycle, Goode Creek was assessed based on past sampling at 2-GOD000.07 and a fecal coliform violation rate of 6/8 at 2-GOD000.77 (Commerce Road). E. coli was added as an impairing cause based on a violation rate of 5/8 at 2-GOD000.77.

Sources: Source Unknown

Use	Impairment	1.23 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		01132	**2002**	**2014**	VAP-G01R-01 During the 2006 cycle, Goode Creek was assessed based on past sampling at 2-GOD000.07 and a fecal coliform violation rate of 6/8 at 2-GOD000.77 (Commerce Road). E. coli was added as an impairing cause based on a violation rate of 5/8 at 2-GOD000.77.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Goodwin Lake**

TMDL Group ID: **50018**

VAC-J03L_XEP01A06	Goodwin Lake	PRINCE EDWARD CO	Prince Edward and Goodwin Lake State Park

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	13.45 ACRES	50018	**2006**	**2018**	

Sources: Source Unknown

TMDL Watershed Name: **Gordon Creek**

TMDL Group ID: **10099**

VAP-G08E_GOR01A06	Gordon Creek	JAMES CITY CO	Tidal limit to mouth CHKOH

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Estuarine Bioassessments**	0.30 SQUARE MILES	10099	**2006**	**2018**	VAP-G08E-05 Station 2-GOR002.58 is a Coastal 2000 probabilistic monitoring station. Weight of Evidence assessment performed by CO indicates benthic alteration caused by water quality (scenario 5, category 5A).

Sources: Source Unknown

TMDL Watershed Name: **Graham Creek**

TMDL Group ID: **00764**

VAC-H04R_GRA02A02	Graham Creek	AMHERST CO	Graham Creek mainstem from the Graham Creek Reservoir backwaters upstream to its headwaters.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	5.20 MILES	00764	**2002**	**2014**	

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Grassy Swamp Creek**

TMDL Group ID: **10036**

VAP-G05R_GRC01A04	Grassy Swamp Creek	HANOVER CO	Pond downstream to mouth at Chickahominy River

VA Overall AU Category: **5C**

Use	Impairment	0.99 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		10036	**2006**	**2018**	VAP-G05R-06

Grassy Swamp Creek was assessed as impaired of the Aquatic Life Use due to a pH violation rate of 8/26 at 2-GRC000.96.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

TMDL Watershed Name: **Gunns Run**

TMDL Group ID: **00338**

VAP-G03R_GUN01A00	Gunns Run	CHARLES CITY CO	Gunns Run from the headwaters to approximately river mile 3.31.

VA Overall AU Category: **5C**

Use	Impairment	4.64 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		00338	**1998**	**2010**	VAP-G03R-01

In 1998, the entire mainstem of Gunns Run was assessed not supporting of the Aquatic Life use support goal based on pH violations recorded at the Route 618 bridge (2-GUN004.00). The pH TMDL is due in 2010.

In the 2002 cycle, a pH and DO violation rate of 0/3 at 2-GUN002.58 between 1994 and 1997 was used to assess the lower reach as fully supporting. However, dissolved oxygen was also identified as an impairing cause. This TMDL is due in 2014.

During the year 2006 cycle, the pH and DO violations at 2-GUN004.00 continued (4/16 and 12/16, respectively.)

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Gunns Run**

TMDL Group ID: **01143**

VAP-G03R_GUN01A00	Gunns Run	CHARLES CITY CO	Gunns Run from the headwaters to approximately river mile 3.31.

VA Overall AU Category: **5C**

Use	Impairment	4.64 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01143	**2002**	**2014**	VAP-G03R-01

In 1998, the entire mainstem of Gunns Run was assessed not supporting of the Aquatic Life use support goal based on pH violations recorded at the Route 618 bridge (2-GUN004.00). The pH TMDL is due in 2010.

In the 2002 cycle, a pH and DO violation rate of 0/3 at 2-GUN002.58 between 1994 and 1997 was used to assess the lower reach as fully supporting. However, dissolved oxygen was also identified as an impairing cause. This TMDL is due in 2014.

During the year 2006 cycle, the pH and DO violations at 2-GUN004.00 continued (4/16 and 12/16, respectively.)

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

TMDL Watershed Name: **Hardware River**

TMDL Group ID: **00368**

VAV-H19R_HRD01A00	Hardware River	ALBEMARLE CO	Hardware River from the headwaters downstream to its confluence with the James River.

VA Overall AU Category: **5A**

Use	Impairment	23.11 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		00368	**2002**	**2010**	

Sources: Non-Point Source
Wildlife Other than Waterfowl

TMDL Watershed Name: **Hardware River, North Fork**

TMDL Group ID: **01658**

VAV-H18R_HNF01A00	Hardware River North Fork	ALBEMARLE CO	North Fork Hardware River form the headwaters downstream to its confluence with the Hardware River.

VA Overall AU Category: **5A**

Use	Impairment	10.39 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		01658	**2004**	**2016**	

Sources: Non-Point Source
Wildlife Other than Waterfowl

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Harrison Lake**

TMDL Group ID: **10123**

VAP-G03L_WER04A06 **Harrison Lake** CHARLES CITY CO Harrison Lake located on West Run

VA Overall AU Category: **5A**

Use	Impairment	90.00 ACRES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		10123	**2006**	**2018**	VAP-G03L-01

Harrison Lake is assessed as not supporting of the Aquatic Life Use based on a pH violation rate of 12/25 at 2-WER000.02.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

TMDL Group ID: **10124**

VAP-G03L_WER04A06 **Harrison Lake** CHARLES CITY CO Harrison Lake located on West Run

VA Overall AU Category: **5A**

Use	Impairment	90.00 ACRES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		10124	**2006**	**2018**	VAP-G03L-01

The lake is considered impaired Cat. 5A because the dissolved oxygen violation rate was unacceptable in the epilimnion/nonstratified periods. This was primarily due to DO violations during the September 2004 monitoring when the lake was not stratified.

Sources: Changes in Ordinary Stratification and Bottom Water Hypoxia/Anoxia
Source Unknown

TMDL Watershed Name: **Hat Creek**

TMDL Group ID: **01649**

VAV-H09R_HAT01A04 **Hat Creek** NELSON CO Hat Creek from the headwaters downstream to its confluence with the Tye River.

VA Overall AU Category: **5A**

Use	Impairment	9.61 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		01649	**2004**	**2016**	

Sources: Non-Point Source
Wildlife Other than Waterfowl

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Hays and Moffatts Creeks**

TMDL Group ID: **01680**

VAV-I34R_HYS01A00 **Hays Creek** AUGUSTA CO ROCKBRIDGE CO

Hays Creek from its confluence with Moffatts Creek downstream to its confluence with the Maury River.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	11.99	MILES	01680	**1998**	**2010**	

Sources: Non-Point Source
Wildlife Other than Waterfowl

VAV-I34R_MOF01A00 **Moffatts Creek** AUGUSTA CO ROCKBRIDGE CO

Moffatts Creek from the headwaters downstream to its confluence with Hays Creek.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	7.65	MILES	01680	**2004**	**2016**	

Sources: Non-Point Source
Wildlife Other than Waterfowl

TMDL Watershed Name: **Hays Creek**

TMDL Group ID: **50038**

VAV-I34R_HYS01A00 **Hays Creek** AUGUSTA CO ROCKBRIDGE CO

Hays Creek from its confluence with Moffatts Creek downstream to its confluence with the Maury River.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Temperature, water**	11.99	MILES	50038	**2006**	**2018**	Newly listed for temperature for 2006.

Sources: Source Unknown

TMDL Watershed Name: **Hoffler Creek**

TMDL Group ID: **76350**

VAT-G15E_HOF01A06 **Hoffler Creek** PORTSMOUTH CITY

Located along the southern shore of Hampton Roads Harbor.Entirety of Hoffler Creek. South shore tributary to James River near Craney Island (at mouth of Elizabeth R). Portion of CBP segment JMSPH. DSS shellfish direct harvesting condemnation # 064-019.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**	0.06	SQUARE MILES	76350	**2006**	**2018**	DSS shellfish direct harvesting condemnation # 064-019.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Horsepen Branch**

TMDL Group ID: **15020**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-J12R_HOI01A00	Horsepen Branch	AMELIA CO	Horsepen Branch from its headwaters to the confluence with the Appomattox River.

VA Overall AU Category: **5C**

Use	Impairment	4.37 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		15020	**2006**	**2018**	15020 (pH) VAP-J12R-06 In 2006, Horsepen Branch was assessed as not supporting for aquatic life use goals based on a dissolved oxygen violation rate 2/15 and a pH violation rate of 6/15 at the Rt. 622 bridge (2-HOI001.85). Source of the DO and pH violations may be attributed to natural conditions.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

TMDL Group ID: **15021**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-J12R_HOI01A00	Horsepen Branch	AMELIA CO	Horsepen Branch from its headwaters to the confluence with the Appomattox River.

VA Overall AU Category: **5C**

Use	Impairment	4.37 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		15021	**2006**	**2018**	15021 (DO) VAP-J12R-06 In 2006, Horsepen Branch was assessed as not supporting for aquatic life use goals based on a dissolved oxygen violation rate 2/15 and a pH violation rate of 6/15 at the Rt. 622 bridge (2-HOI001.85). Source of the DO and pH violations may be attributed to natural conditions

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

TMDL Watershed Name: **Horsepen Creek**

TMDL Group ID: **50092**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAC-J01R_HRE01A04	Horsepen Creek	BUCKINGHAM CO	Horsepen Creek from its headwaters to the mouth at the Appomattox River

VA Overall AU Category: **5A**

Use	Impairment	3.91 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		50092	**2006**	**2018**	

Sources: Non-Point Source

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Indian River, Eastern Branch**

TMDL Group ID: **01523**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAT-G15E_IND01A02	**Indian River - Eastern Branch, Elizabeth R.**	CHESAPEAKE CITY	Located southwest of Broad Creek. Between Campostella Heights and Tanglewood. Entirety of creek including tribs. Portion of CBP segment EBEMH. Portion of the DSS (ADMINISTRATIVE) shellfish direct harvesting condemnation # 065-007 E.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Enterococcus**	0.27 SQUARE MILES	01523	**2006**	**2014**	The Recreation Use is impaired (5 violates / 12 observations) due to exceedance of the instantaneous criteria for Enterococcus bacteria. The previous Fecal Coliform indicator bacteria impairment no longer applies, replaced by Enterococcus criteria impairment since threshold of 12 observations reached, with TMDL ID and due date same as original FC impairment.

Sources: Source Unknown

TMDL Watershed Name: **Ivy Creek**

TMDL Group ID: **00360**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAC-H03R_IVA01A00	**Ivy Creek**	LYNCHBURG CITY	Ivy Creek mainstem from the mouth of Cheese Creek downstream to Ivy Creek's confluence with Blackwater Creek.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	5.37 MILES	00360	**1998**	**2010**	

Sources: Combined Sewer Overflows

TMDL Group ID: **50064**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAV-H26R_IVC03A00	**Ivy Creek**	ALBEMARLE CO	Ivy Creek from the headwaters downstream to its confluence with Little Ivy Creek.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**	5.23 MILES	50064	**2006**	**2018**	Newly listed for pH in 2006.

Sources: Atmospheric Deposition - Acidity

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Jackson River**

TMDL Group ID: **00280**

VAW-I04R_JKS01A00	**Jackson River Lower 1**	ALLEGHANY CO COVINGTON CITY	Jackson River mainstem from the Westvaco main processing outfall downstream to Dunlap Creek mouth at the watershed boundary with I09R.

VA Overall AU Category: **5A**

Use	Impairment	0.47 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		00280	**1996**	**2010**	

Sources: Industrial Point Source Discharge
Municipal (Urbanized High Density Area)

TMDL Group ID: **00281**

VAW-I04R_JKS01A00	**Jackson River Lower 1**	ALLEGHANY CO COVINGTON CITY	Jackson River mainstem from the Westvaco main processing outfall downstream to Dunlap Creek mouth at the watershed boundary with I09R.

VA Overall AU Category: **5A**

Use	Impairment	0.47 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		00281	**1996**	**2010**	

Sources: Industrial Point Source Discharge

TMDL Group ID: **00457**

VAW-I09R_JKS01A00	**Jackson River Lower 1**	ALLEGHANY CO	Jackson River mainstem from the Clifton Forge STP outfall downstream to the Jackson River confluence with the Cowpasture River.

VA Overall AU Category: **5A**

Use	Impairment	3.49 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		00457	**1996**	**2010**	

Sources: Industrial Point Source Discharge
Municipal (Urbanized High Density Area)
Municipal Point Source Discharges

VAW-I09R_JKS02A00	**Jackson River Lower 2**	ALLEGHANY CO	Jackson River mainstem from the US 60 crossing downstream to the Clifton Forge STP outfall.

VA Overall AU Category: **5A**

Use	Impairment	1.70 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		00457	**1996**	**2010**	

Sources: Industrial Point Source Discharge
Municipal (Urbanized High Density Area)
Municipal Point Source Discharges

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Jackson River**

TMDL Group ID: **00457**

VAW-I09R_JKS03A00 **Jackson River Middle 1** ALLEGHANY CO

Jackson River mainstem from upstream of the Lowmoor community downstream to the US 60 crossing.

VA Overall AU Category: **5A**

Use	Impairment	7.81 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		00457	**1996**	**2010**	

Sources: Industrial Point Source Discharge
Municipal (Urbanized High Density Area)
Municipal Point Source Discharges

VAW-I09R_JKS04A00 **Jackson River Middle 2** ALLEGHANY CO

Jackson River mainstem from the Covington STP outfall downstream to just above the Lowmoor community.

VA Overall AU Category: **5A**

Use	Impairment	5.80 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		00457	**1996**	**2010**	

Sources: Industrial Point Source Discharge
Municipal (Urbanized High Density Area)
Municipal Point Source Discharges

VAW-I09R_JKS05A00 **Jackson River Upper 1** COVINGTON CITY

Jackson River mainstem from downstream of the Lexington Avenue Bridge to the City of Covington STP outfall on the Jackson River.

VA Overall AU Category: **5A**

Use	Impairment	3.27 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		00457	**1996**	**2010**	

Sources: Industrial Point Source Discharge
Municipal (Urbanized High Density Area)

VAW-I09R_JKS06A00 **Jackson River Upper 2** ALLEGHANY CO

Jackson River mainstem from the watershed boundary (I04R) at the mouth of Dunlap Creek downstream to just below the Lexington Avenue Bridge.

VA Overall AU Category: **5A**

Use	Impairment	1.67 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		00457	**1996**	**2010**	

Sources: Industrial Point Source Discharge
Municipal (Urbanized High Density Area)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Jackson River**

TMDL Group ID: **00458**

VAW-I09R_JKS04A00 **Jackson River Middle 2** ALLEGHANY CO

Jackson River mainstem from the Covington STP outfall downstream to just above the Lowmoor community.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	5.80 MILES	00458	**1996**	**2010**	

Sources: Industrial Point Source Discharge
Municipal Point Source Discharges

VAW-I09R_JKS05A00 **Jackson River Upper 1** COVINGTON CITY

Jackson River mainstem from downstream of the Lexington Avenue Bridge to the City of Covington STP outfall on the Jackson River.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	3.27 MILES	00458	**1996**	**2010**	

Sources: Industrial Point Source Discharge

VAW-I09R_JKS06A00 **Jackson River Upper 2** ALLEGHANY CO

Jackson River mainstem from the watershed boundary (I04R) at the mouth of Dunlap Creek downstream to just below the Lexington Avenue Bridge.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	1.67 MILES	00458	**1996**	**2010**	

Sources: Industrial Point Source Discharge

TMDL Group ID: **01672**

VAV-I01R_JKS01A00 **Jackson River** BATH CO

Jackson River from its confluence with Muddy Run downstream to the upper end of Lake Moomaw.

VA Overall AU Category: **5C**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Temperature, water**	11.21 MILES	01672	**2004**	**2016**	The impairment is suspected to be natural Category 5C

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River**

TMDL Group ID: **00361**

VAC-H03R_JMS01A00 — **James River** — AMHERST CO, LYNCHBURG CITY — James River mainstem from the Business Route 29 bridge downstream to the mouth of Williams Run, the watershed boundary.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	3.57 MILES	00361	**1996**	**2010**	

Sources: Combined Sewer Overflows

VAC-H03R_JMS04A02 — **James River** — AMHERST CO, LYNCHBURG CITY — James River mainstem from Reusens dam downstream to Business Route 29.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	4.12 MILES	00361	**1996**	**2010**	

Sources: Combined Sewer Overflows

VAC-H03R_JMS06A02 — **James River** — AMHERST CO, LYNCHBURG CITY — James River mainstem from Holcomb Rock Dam downstream to Reusens Dam.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	8.17 MILES	00361	**2006**	**2018**	

Sources: Source Unknown

VAC-H05R_JMS04A00 — **James River** — AMHERST CO, LYNCHBURG CITY — James River mainstem from the upper watershed boundary at the confluence of Williams Run downstream to the mouth of Archer Creek.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	2.57 MILES	00361	**1996**	**2010**	

Sources: Combined Sewer Overflows

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River**

TMDL Group ID: **00441**

VAP-G01E_JMS01A02	James River	RICHMOND CITY	The James River from the fall line to river mile 108.76. JMSTFu

VA Overall AU Category: **5A**

Use	Impairment	0.15 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00441	**1996**	**2010**	VAP-G01E-01 The segment has been included on the Impaired Waters list for fecal coliform since 1996. During the 2004 and 2006 cycles, the bacteria standard changed to E.coli for those stations with enough data. Some of the areas in this segment have converted to the E.coli standard, for others the fecal coliform standard is still in effect. The TMDL for both is due in 2010. Bacteria impairment is noted at the following stations: 2-JMS109.39 2-JMS107.51 2-JMS104.16 2-JMS099.30 2-JMS087.01

Sources: Combined Sewer Overflows
Non-Point Source

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River**

TMDL Group ID: **00441**

VAP-G01E_JMS02A02	James River	HENRICO CO RICHMOND CITY	The James River from river mile 108.76 to river mile 108.63. JMSTFu

VA Overall AU Category: **5A**

Use	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00441	**1996**	**2010**	VAP-G01E-01

The James River from the fall line to the Appomattox River has been assessed as not supporting of the Recreation use support goal based on the results of a summer special study in the fall zone. The special study was designed to monitor the effects of summertime rain and combined sewer overflow (CSO) events on water quality in the James River and to monitor the effects of Richmond's CSO abatement efforts.

The segment has been included on the Impaired Waters list for fecal coliform since 1996. During the 2004 and 2006 cycles, the bacteria standard changed to E.coli for those stations with enough data. Some of the areas in this segment have converted to the E.coli standard, for others the fecal coliform standard is still in effect. The TMDL for both is due in 2010.

Bacteria impairment is noted at the following stations:

2-JMS109.39
2-JMS107.51
2-JMS104.16
2-JMS099.30
2-JMS087.01

Sources: Combined Sewer Overflows
Non-Point Source

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River**

TMDL Group ID: **00441**

VAP-G01E_JMS03A02	**James River**	CHESTERFIELD CO RICHMOND CITY	The James River from river mile 108.63 to the confluence with Proctors Creek at river mile 2-JMS097.94. JMSTFu

VA Overall AU Category: **5A**

Use	Impairment	1.43 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00441	**1996**	**2010**	VAP-G01E-01

The James River from the fall line to the Appomattox River has been assessed as not supporting of the Recreation use support goal based on the results of a summer special study in the fall zone. The special study was designed to monitor the effects of summertime rain and combined sewer overflow (CSO) events on water quality in the James River and to monitor the effects of Richmond's CSO abatement efforts.

The segment has been included on the Impaired Waters list for fecal coliform since 1996. During the 2004 and 2006 cycles, the bacteria standard changed to E.coli for those stations with enough data. Some of the areas in this segment have converted to the E.coli standard, for others the fecal coliform standard is still in effect. The TMDL for both is due in 2010.

Bacteria impairment is noted at the following stations:

2-JMS109.39
2-JMS107.51
2-JMS104.16
2-JMS099.30
2-JMS087.01

Sources: Combined Sewer Overflows
Non-Point Source

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River**

TMDL Group ID: **00441**

Recreation	**Fecal Coliform**	00441	**1996**	**2010**	VAP-G01E-01	The James River from the fall line to the Appomattox River has been assessed as not supporting of the Recreation use support goal based on the results of a summer special study in the fall zone. The special study was designed to monitor the effects of summertime rain and combined sewer overflow (CSO) events on water quality in the James River and to monitor the effects of Richmond's CSO abatement efforts. The segment has been included on the Impaired Waters list for fecal coliform since 1996. During the 2004 and 2006 cycles, the bacteria standard changed to E.coli for those stations with enough data. Some of the areas in this segment have converted to the E.coli standard, for others the fecal coliform standard is still in effect. The TMDL for both is due in 2010. Bacteria impairment is noted at the following stations: 2-JMS109.39 2-JMS107.51 2-JMS104.16 2-JMS099.30 2-JMS087.01

Sources: Combined Sewer Overflows
Non-Point Source

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River**

TMDL Group ID: **00441**

VAP-G02E_JMS01A00	**James River/Turkey Island Creek/Fourmile Creek**	CHESTERFIELD CO HENRICO CO	The James River and the tidal portion of all tributaries from Proctors Creek to 5 miles above American Tobacco's raw water intake. Includes Farrar Gut JMSTFu

VA Overall AU Category: **5A**

Use	Impairment	1.50 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		00441	**1996**	**2010**	VAP-G01E-01

The James River from the fall line to the Appomattox River has been assessed as not supporting of the Recreation use support goal based on the results of a summer special study in the fall zone. The special study was designed to monitor the effects of summertime rain and combined sewer overflow (CSO) events on water quality in the James River and to monitor the effects of Richmond's CSO abatement efforts.

The segment has been included on the Impaired Waters list for fecal coliform since 1996. During the 2004 and 2006 cycles, the bacteria standard changed to E.coli for those stations with enough data. Some of the areas in this segment have converted to the E.coli standard, for others the fecal coliform standard is still in effect. The TMDL for both is due in 2010.

Bacteria impairment is noted at the following stations:
2-JMS109.39
2-JMS107.51
2-JMS104.16
2-JMS099.30
2-JMS087.01

Sources: Combined Sewer Overflows
Non-Point Source

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River**

TMDL Group ID: **00441**

VAP-G02E_JMS02A00	**James River/Turkey Island Creek/Fourmile Creek**	CHARLES CITY CO HENRICO CO	The James River and the tidal portion of all tributaries from 5 miles above American Tobacco's raw water intake to downstream extent of JMSTFu. JMSTFu

VA Overall AU Category: **5A**

Use	Impairment	4.81 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00441	**2006**	**2010**	VAP-G01E-01

The James River from the fall line to the Appomattox River has been assessed as not supporting of the Recreation use support goal based on the results of a summer special study in the fall zone. The special study was designed to monitor the effects of summertime rain and combined sewer overflow (CSO) events on water quality in the James River and to monitor the effects of Richmond's CSO abatement efforts.

The segment has been included on the Impaired Waters list for fecal coliform since 1996. During the 2004 and 2006 cycles, the bacteria standard changed to E.coli for those stations with enough data. Some of the areas in this segment have converted to the E.coli standard, for others the fecal coliform standard is still in effect. The TMDL for both is due in 2010.

Bacteria impairment is noted at the following stations:
2-JMS109.39
2-JMS107.51
2-JMS104.16
2-JMS099.30
2-JMS087.01

Sources: Combined Sewer Overflows
Non-Point Source

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River**

TMDL Group ID: **00441**

VAP-G02E_JMS03A06	**James River**	CHARLES CITY CO HOPEWELL CITY	The James River and the tidal portion of all tributaries from the upstream extent of JMSTFI to the downstream extent of PWS. JMSTFI

VA Overall AU Category: **5A**

Use	Impairment	0.75 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00441	**2006**	**2010**	VAP-G01E-01

The James River from the fall line to the Appomattox River has been assessed as not supporting of the Recreation use support goal based on the results of a summer special study in the fall zone. The special study was designed to monitor the effects of summertime rain and combined sewer overflow (CSO) events on water quality in the James River and to monitor the effects of Richmond's CSO abatement efforts.

The segment has been included on the Impaired Waters list for fecal coliform since 1996. During the 2004 and 2006 cycles, the bacteria standard changed to E.coli for those stations with enough data. Some of the areas in this segment have converted to the E.coli standard, for others the fecal coliform standard is still in effect. The TMDL for both is due in 2010.

Bacteria impairment is noted at the following stations:
2-JMS109.39
2-JMS107.51
2-JMS104.16
2-JMS099.30
2-JMS087.01

Sources: Combined Sewer Overflows
Non-Point Source

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: James River

TMDL Group ID: 00442

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River**

TMDL Group ID: **00442**

VAP-G01E_JMS01A02	James River	RICHMOND CITY	The James River from the fall line to river mile 108.76.
			JMSTFu

VA Overall AU Category: **5A**

Use	Impairment	0.15 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		00442	**2006**	**2010**	VAP-G03E-02

The James River from the Appomattox River to the Chickahominy River was originally listed on the 1998 list as fully supporting but threatened of the Aquatic Life Use goal based on chlorophyll a violations. During the 1998 cycle, EPA extended the segment upstream to the fall line and downgraded the river to not supporting the Aquatic Life Use, citing nutrient concerns.

In previous cycles, the mainstem James River had acceptable dissolved oxygen levels. In addition the entire tidal freshwater portion (fall line to just above the Chickahominy River) has good benthic community based on the results from the Chesapeake Bay Benthic Index of Biological Community; therefore the James River from the fall line to the oligohaline boundary was considered impaired solely for Nutrients/Eutrophication Biological Indicators (EPA Overlist).

During the 2006 cycle, the CB water quality standards were implemented. The Upper Tidal Freshwater James River from the fall line to the Appomattox failed the Shallow Water Use SAV criteria. The 30-day Open Water dissolved oxygen criteria were acceptable, but there was insufficient information to assess the other OW criteria or the Migratory Spawning Use.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River**

TMDL Group ID: **00442**

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**	00442	**2006**	**2010**	VAP-G03E-02 (SAV)

The James River from the Appomattox River to the Chickahominy River was originally listed on the 1998 list as fully supporting but threatened of the Aquatic Life Use goal based on chlorophyll a violations. During the 1998 cycle, EPA extended the segment upstream to the fall line and downgraded the river to not supporting the Aquatic Life Use, citing nutrient concerns.

In previous cycles, the mainstem James River had acceptable dissolved oxygen levels. In addition the entire tidal freshwater portion (fall line to just above the Chickahominy River) has good benthic community based on the results from the Chesapeake Bay Benthic Index of Biological Community; therefore the James River from the fall line to the oligohaline boundary was considered impaired solely for Nutrients/Eutrophication Biological Indicators (EPA Overlist).

During the 2006 cycle, the CB water quality standards were implemented. The Upper Tidal Freshwater James River from the fall line to the Appomattox failed the Shallow Water Use SAV criteria. The 30-day Open Water dissolved oxygen criteria were acceptable, but there was insufficient information to assess the other OW criteria or the Migratory Spawning Use.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River**

TMDL Group ID: **00442**

VAP-G01E_JMS02A02	James River	HENRICO CO RICHMOND CITY	The James River from river mile 108.76 to river mile 108.63. JMSTFu

VA Overall AU Category: **5A**

Use	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		00442	**2006**	**2010**	VAP-G03E-02 (SAV)

The James River from the Appomattox River to the Chickahominy River was originally listed on the 1998 list as fully supporting but threatened of the Aquatic Life Use goal based on chlorophyll a violations. During the 1998 cycle, EPA extended the segment upstream to the fall line and downgraded the river to not supporting the Aquatic Life Use, citing nutrient concerns.

In previous cycles, the mainstem James River had acceptable dissolved oxygen levels. In addition the entire tidal freshwater portion (fall line to just above the Chickahominy River) has good benthic community based on the results from the Chesapeake Bay Benthic Index of Biological Community; therefore the James River from the fall line to the oligohaline boundary was considered impaired solely for Nutrients/Eutrophication Biological Indicators (EPA Overlist).

During the 2006 cycle, the CB water quality standards were implemented. The Upper Tidal Freshwater James River from the fall line to the Appomattox failed the Shallow Water Use SAV criteria. The 30-day Open Water dissolved oxygen criteria were acceptable, but there was insufficient information to assess the other OW criteria or the Migratory Spawning Use.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River**

TMDL Group ID: **00442**

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**	00442	**2006**	**2010**	VAP-G03E-02	The James River from the Appomattox River to the Chickahominy River was originally listed on the 1998 list as fully supporting but threatened of the Aquatic Life Use goal based on chlorophyll a violations. During the 1998 cycle, EPA extended the segment upstream to the fall line and downgraded the river to not supporting the Aquatic Life Use, citing nutrient concerns. In previous cycles, the mainstem James River had acceptable dissolved oxygen levels. In addition the entire tidal freshwater portion (fall line to just above the Chickahominy River) has good benthic community based on the results from the Chesapeake Bay Benthic Index of Biological Community; therefore the James River from the fall line to the oligohaline boundary was considered impaired solely for Nutrients/Eutrophication Biological Indicators (EPA Overlist). During the 2006 cycle, the CB water quality standards were implemented. The Upper Tidal Freshwater James River from the fall line to the Appomattox failed the Shallow Water Use SAV criteria. The 30-day Open Water dissolved oxygen criteria were acceptable, but there was insufficient information to assess the other OW criteria or the Migratory Spawning Use.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River**

TMDL Group ID: **00442**

VAP-G01E_JMS03A02	**James River**	CHESTERFIELD CO RICHMOND CITY	The James River from river mile 108.63 to the confluence with Proctors Creek at river mile 2-JMS097.94. JMSTFu

VA Overall AU Category: **5A**

Use	Impairment	1.43 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		00442	**2006**	**2010**	VAP-G03E-02 (SAV)

The James River from the Appomattox River to the Chickahominy River was originally listed on the 1998 list as fully supporting but threatened of the Aquatic Life Use goal based on chlorophyll a violations. During the 1998 cycle, EPA extended the segment upstream to the fall line and downgraded the river to not supporting the Aquatic Life Use, citing nutrient concerns.

In previous cycles, the mainstem James River had acceptable dissolved oxygen levels. In addition the entire tidal freshwater portion (fall line to just above the Chickahominy River) has good benthic community based on the results from the Chesapeake Bay Benthic Index of Biological Community; therefore the James River from the fall line to the oligohaline boundary was considered impaired solely for Nutrients/Eutrophication Biological Indicators (EPA Overlist).

During the 2006 cycle, the CB water quality standards were implemented. The Upper Tidal Freshwater James River from the fall line to the Appomattox failed the Shallow Water Use SAV criteria. The 30-day Open Water dissolved oxygen criteria were acceptable, but there was insufficient information to assess the other OW criteria or the Migratory Spawning Use.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River**

TMDL Group ID: **00442**

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**	00442	**2006**	**2010**	VAP-G03E-02	The James River from the Appomattox River to the Chickahominy River was originally listed on the 1998 list as fully supporting but threatened of the Aquatic Life Use goal based on chlorophyll a violations. During the 1998 cycle, EPA extended the segment upstream to the fall line and downgraded the river to not supporting the Aquatic Life Use, citing nutrient concerns. In previous cycles, the mainstem James River had acceptable dissolved oxygen levels. In addition the entire tidal freshwater portion (fall line to just above the Chickahominy River) has good benthic community based on the results from the Chesapeake Bay Benthic Index of Biological Community; therefore the James River from the fall line to the oligohaline boundary was considered impaired solely for Nutrients/Eutrophication Biological Indicators (EPA Overlist). During the 2006 cycle, the CB water quality standards were implemented. The Upper Tidal Freshwater James River from the fall line to the Appomattox failed the Shallow Water Use SAV criteria. The 30-day Open Water dissolved oxygen criteria were acceptable, but there was insufficient information to assess the other OW criteria or the Migratory Spawning Use.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River**

TMDL Group ID: **00442**

VAP-G01E_ZZZ01A04	Unsegmented estuaries in G01	CHESTERFIELD CO RICHMOND CITY	Actual size unknown. JMSTFu

VA Overall AU Category: **5A**

Use	Impairment	0.10 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		00442	**2006**	**2010**	VAP-G03E-02 During the 2006 cycle, the CB water quality standards were implemented. The Upper Tidal Freshwater James River from the fall line to the Appomattox failed the Shallow Water Use SAV criteria.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		00442	**2006**	**2010**	VAP-G03E-02 During the 2006 cycle, the CB water quality standards were implemented. The Upper Tidal Freshwater James River from the fall line to the Appomattox failed the Shallow Water Use SAV criteria.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River**

TMDL Group ID: **00442**

VAP-G02E_JMS01A00	**James River/Turkey Island Creek/Fourmile Creek**	CHESTERFIELD CO HENRICO CO	The James River and the tidal portion of all tributaries from Proctors Creek to 5 miles above American Tobacco's raw water intake. Includes Farrar Gut JMSTFu

VA Overall AU Category: **5A**

Use	Impairment	1.50 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		00442	**2006**	**2010**	VAP-G03E-02 (SAV)

The James River from the Appomattox River to the Chickahominy River was originally listed on the 1998 list as fully supporting but threatened of the Aquatic Life Use goal based on chlorophyll a violations. During the 1998 cycle, EPA extended the segment upstream to the fall line and downgraded the river to not supporting the Aquatic Life Use, citing nutrient concerns.

In previous cycles, the mainstem James River had acceptable dissolved oxygen levels. In addition the entire tidal freshwater portion (fall line to just above the Chickahominy River) has good benthic community based on the results from the Chesapeake Bay Benthic Index of Biological Community; therefore the James River from the fall line to the oligohaline boundary was considered impaired solely for Nutrients/Eutrophication Biological Indicators (EPA Overlist).

During the 2006 cycle, the CB water quality standards were implemented. The Upper Tidal Freshwater James River from the fall line to the Appomattox failed the Shallow Water Use SAV criteria. The 30-day Open Water dissolved oxygen criteria were acceptable, but there was insufficient information to assess the other OW criteria or the Migratory Spawning Use.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
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- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River**

TMDL Group ID: **00442**

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**	00442	**2006**	**2010**	VAP-G03E-02 (SAV)

The James River from the Appomattox River to the Chickahominy River was originally listed on the 1998 list as fully supporting but threatened of the Aquatic Life Use goal based on chlorophyll a violations. During the 1998 cycle, EPA extended the segment upstream to the fall line and downgraded the river to not supporting the Aquatic Life Use, citing nutrient concerns.

In previous cycles, the mainstem James River had acceptable dissolved oxygen levels. In addition the entire tidal freshwater portion (fall line to just above the Chickahominy River) has good benthic community based on the results from the Chesapeake Bay Benthic Index of Biological Community; therefore the James River from the fall line to the oligohaline boundary was considered impaired solely for Nutrients/Eutrophication Biological Indicators (EPA Overlist).

During the 2006 cycle, the CB water quality standards were implemented. The Upper Tidal Freshwater James River from the fall line to the Appomattox failed the Shallow Water Use SAV criteria. The 30-day Open Water dissolved oxygen criteria were acceptable, but there was insufficient information to assess the other OW criteria or the Migratory Spawning Use.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River**

TMDL Group ID: **00442**

VAP-G02E_JMS02A00	**James River/Turkey Island Creek/Fourmile Creek**	CHARLES CITY CO HENRICO CO	The James River and the tidal portion of all tributaries from 5 miles above American Tobacco's raw water intake to downstream extent of JMSTFu. JMSTFu

VA Overall AU Category: **5A**

Use	Impairment	4.81 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		00442	**2006**	**2010**	VAP-G03E-02

The James River from the Appomattox River to the Chickahominy River was originally listed on the 1998 list as fully supporting but threatened of the Aquatic Life Use goal based on chlorophyll a violations. During the 1998 cycle, EPA extended the segment upstream to the fall line and downgraded the river to not supporting the Aquatic Life Use, citing nutrient concerns.

In previous cycles, the mainstem James River had acceptable dissolved oxygen levels. In addition the entire tidal freshwater portion (fall line to just above the Chickahominy River) has good benthic community based on the results from the Chesapeake Bay Benthic Index of Biological Community; therefore the James River from the fall line to the oligohaline boundary was considered impaired solely for Nutrients/Eutrophication Biological Indicators (EPA Overlist).

During the 2006 cycle, the CB water quality standards were implemented. The Upper Tidal Freshwater James River from the fall line to the Appomattox failed the Shallow Water Use SAV criteria. The 30-day Open Water dissolved oxygen criteria were acceptable, but there was insufficient information to assess the other OW criteria or the Migratory Spawning Use.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River**

TMDL Group ID: **00442**

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**	00442	**2006**	**2010**	VAP-G03E-02	The James River from the Appomattox River to the Chickahominy River was originally listed on the 1998 list as fully supporting but threatened of the Aquatic Life Use goal based on chlorophyll a violations. During the 1998 cycle, EPA extended the segment upstream to the fall line and downgraded the river to not supporting the Aquatic Life Use, citing nutrient concerns. In previous cycles, the mainstem James River had acceptable dissolved oxygen levels. In addition the entire tidal freshwater portion (fall line to just above the Chickahominy River) has good benthic community based on the results from the Chesapeake Bay Benthic Index of Biological Community; therefore the James River from the fall line to the oligohaline boundary was considered impaired solely for Nutrients/Eutrophication Biological Indicators (EPA Overlist). During the 2006 cycle, the CB water quality standards were implemented. The Upper Tidal Freshwater James River from the fall line to the Appomattox failed the Shallow Water Use SAV criteria. The 30-day Open Water dissolved oxygen criteria were acceptable, but there was insufficient information to assess the other OW criteria or the Migratory Spawning Use.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River**

TMDL Group ID: **00442**

VAP-G02E_JMS03A06	**James River**	CHARLES CITY CO HOPEWELL CITY	The James River and the tidal portion of all tributaries from the upstream extent of JMSTFI to the downstream extent of PWS. JMSTFI

VA Overall AU Category: **5A**

Use	Impairment	0.75 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		00442	**2006**	**2010**	VAP-G03E-02

The James River from the Appomattox River to the Chickahominy River was originally listed on the 1998 list as fully supporting but threatened of the Aquatic Life Use goal based on chlorophyll a violations. During the 1998 cycle, EPA extended the segment upstream to the fall line and downgraded the river to not supporting the Aquatic Life Use, citing nutrient concerns.

In previous cycles, the mainstem James River had acceptable dissolved oxygen levels. In addition the entire tidal freshwater portion (fall line to just above the Chickahominy River) has good benthic community based on the results from the Chesapeake Bay Benthic Index of Biological Community; therefore the James River from the fall line to the oligohaline boundary was considered impaired solely for Nutrients/Eutrophication Biological Indicators (EPA Overlist).

During the 2006 cycle, the CB water quality standards were implemented. The Upper Tidal Freshwater James River from the fall line to the Appomattox failed the Shallow Water Use SAV criteria. The 30-day Open Water dissolved oxygen criteria were acceptable, but there was insufficient information to assess the other OW criteria or the Migratory Spawning Use.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River**

TMDL Group ID: **00442**

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**	00442	**2006**	**2010**	VAP-G03E-02	The James River from the Appomattox River to the Chickahominy River was originally listed on the 1998 list as fully supporting but threatened of the Aquatic Life Use goal based on chlorophyll a violations. During the 1998 cycle, EPA extended the segment upstream to the fall line and downgraded the river to not supporting the Aquatic Life Use, citing nutrient concerns. In previous cycles, the mainstem James River had acceptable dissolved oxygen levels. In addition the entire tidal freshwater portion (fall line to just above the Chickahominy River) has good benthic community based on the results from the Chesapeake Bay Benthic Index of Biological Community; therefore the James River from the fall line to the oligohaline boundary was considered impaired solely for Nutrients/Eutrophication Biological Indicators (EPA Overlist). During the 2006 cycle, the CB water quality standards were implemented. The Upper Tidal Freshwater James River from the fall line to the Appomattox failed the Shallow Water Use SAV criteria. The 30-day Open Water dissolved oxygen criteria were acceptable, but there was insufficient information to assess the other OW criteria or the Migratory Spawning Use.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River**

TMDL Group ID: **00442**

VAP-G02E_XGJ01A06 **UT to James River** CHESTERFIELD CO To mouth at the Appomattox River.

JMSTFI

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		00442	**2006**	**2010**	VAP-G03E-02 During the 2006 cycle, the CB water quality standards were implemented. The Lower Tidal Freshwater James River failed the Shallow Water Use SAV acreage requirements.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		00442	**2006**	**2010**	VAP-G03E-02 (SAV/DO) During the 2006 cycle, the CB water quality standards were implemented. The Lower Tidal Freshwater James River failed the Shallow Water Use SAV acreage requirements.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River**

TMDL Group ID: **00442**

VAP-G02E_XGK01A06	UT to James River	CHESTERFIELD CO	Tidal limit to mouth near Appomattox River
			JMSTFI

VA Overall AU Category: **5A**

Use	Impairment	0.81 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		00442	**2006**	**2010**	VAP-G03E-02 During the 2006 cycle, the CB water quality standards were implemented. The Lower Tidal Freshwater James River failed the Shallow Water Use SAV acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		00442	**2006**	**2010**	VAP-G03E-02 During the 2006 cycle, the CB water quality standards were implemented. The Lower Tidal Freshwater James River failed the Shallow Water Use SAV acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River**

TMDL Group ID: **00442**

VAP-G03E_BLY01A98	Bailey Creek/Cattail Creek	HOPEWELL CITY PRINCE GEORGE CO	The tidal portions of Bailey Creek and Cattail Creek. JMSTFI

VA Overall AU Category: **5A**

Use	Impairment	0.29 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		00442	**2006**	**2010**	VAP-G03E-04 During the 2006 cycle, the CB water quality standards were implemented. The Lower Tidal Freshwater James River failed the Shallow Water Use SAV acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		00442	**2006**	**2010**	VAP-G03E-04 During the 2006 cycle, the CB water quality standards were implemented. The Lower Tidal Freshwater James River failed the Shallow Water Use SAV acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River**

TMDL Group ID: **00442**

VAP-G03E_GRV01A02	Gravelly Run	HOPEWELL CITY	Tidal limit to mouth at James River
			JMSTFI

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		00442	**2006**	**2010**	VAP-G03E-02 During the 2006 cycle, the CB water quality standards were implemented. The Lower Tidal Freshwater James River failed the Shallow Water Use SAV acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		00442	**2006**	**2010**	VAP-G03E-02 During the 2006 cycle, the CB water quality standards were implemented. The Lower Tidal Freshwater James River failed the Shallow Water Use SAV acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River**

TMDL Group ID: **00442**

VAP-G03E_JMS01A00	**James River**	CHARLES CITY CO PRINCE GEORGE CO	The mainstem of the James River from the confluence with the Appomattox River downstream to Queens Creek. Now incorporates previous segments JMS02A00 and JMS03A02 JMSTFI

VA Overall AU Category: **5A**

Use	Impairment	13.82 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		00442	**2006**	**2010**	VAP-G03E-02

The James River from the Appomattox River to the Chickahominy River was originally listed on the 1998 list as fully supporting but threatened of the Aquatic Life Use goal based on chlorophyll a violations. During the 1998 cycle, EPA extended the segment upstream to the fall line and downgraded the river to not supporting the Aquatic Life Use, citing nutrient concerns.

In previous cycles, the mainstem James River had acceptable dissolved oxygen levels. In addition the entire tidal freshwater portion (fall line to just above the Chickahominy River) has good benthic community based on the results from the Chesapeake Bay Benthic Index of Biological Community; therefore the James River from the fall line to the oligohaline boundary was considered impaired solely for Nutrients/Eutrophication Biological Indicators (EPA Overlist).

During the 2006 cycle, the CB water quality standards were implemented. The Lower Tidal Freshwater James River failed the Shallow Water Use SAV acreage requirements. However, it also failed the 30-day Open Water summer dissolved oxygen criteria. There was insufficient information to assess the other OW criteria or the Migratory Spawning Use.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River**

TMDL Group ID: **00442**

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**	00442	**2006**	**2010**	VAP-G03E-02	The James River from the Appomattox River to the Chickahominy River was originally listed on the 1998 list as fully supporting but threatened of the Aquatic Life Use goal based on chlorophyll a violations. During the 1998 cycle, EPA extended the segment upstream to the fall line and downgraded the river to not supporting the Aquatic Life Use, citing nutrient concerns. In previous cycles, the mainstem James River had acceptable dissolved oxygen levels. In addition the entire tidal freshwater portion (fall line to just above the Chickahominy River) has good benthic community based on the results from the Chesapeake Bay Benthic Index of Biological Community; therefore the James River from the fall line to the oligohaline boundary was considered impaired solely for Nutrients/Eutrophication Biological Indicators (EPA Overlist). During the 2006 cycle, the CB water quality standards were implemented. The Lower Tidal Freshwater James River failed the Shallow Water Use SAV acreage requirements. However, it also failed the 30-day Open Water summer dissolved oxygen criteria. There was insufficient information to assess the other OW criteria or the Migratory Spawning Use.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River**

TMDL Group ID: **00442**

VAP-G03E_PTH01A00	**Poythress Run**	HOPEWELL CITY	The tidal portion of Poythress Run. JMSTFI

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		00442	**2006**	**2010**	VAP-G03E-02 During the 2006 cycle, the CB water quality standards were implemented. The Lower Tidal Freshwater James River failed the Shallow Water Use SAV acreage requirements.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		00442	**2006**	**2010**	VAP-G03E-02 During the 2006 cycle, the CB water quality standards were implemented. The Lower Tidal Freshwater James River failed the Shallow Water Use SAV acreage requirements.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River**

TMDL Group ID: **00442**

VAP-G03E_PWL01A02	Powell Creek	PRINCE GEORGE CO	The estuarine portion of Powell Creek.

JMSTFI

VA Overall AU Category: **5A**

Use	Impairment	0.25 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		00442	**2006**	**2010**	VAP-G03E-02 During the 2006 cycle, the CB water quality standards were implemented. The Lower Tidal Freshwater James River failed the Shallow Water Use SAV acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		00442	**2006**	**2010**	VAP-G03E-02 During the 2006 cycle, the CB water quality standards were implemented. The Lower Tidal Freshwater James River failed the Shallow Water Use SAV acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River**

TMDL Group ID: **00442**

VAP-G03E_QEE01A06 **Queens Creek** CHARLES CITY CO Tidal limit to mouth

JMSTFI

VA Overall AU Category: **5A**

Use	Impairment	0.23 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		00442	**2006**	**2010**	VAP-G03E-02 During the 2006 cycle, the CB water quality standards were implemented. The Lower Tidal Freshwater James River failed the Shallow Water Use SAV acreage requirements.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		00442	**2006**	**2010**	VAP-G03E-02 During the 2006 cycle, the CB water quality standards were implemented. The Lower Tidal Freshwater James River failed the Shallow Water Use SAV acreage requirements.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River**

TMDL Group ID: **00442**

VAP-G03E_ZZZ01A00	Unsegmented estuaries in G03	CHARLES CITY CO PRINCE GEORGE CO	Unsegmented portion of watershed JMSTFI

VA Overall AU Category: **5A**

Use	Impairment	0.75 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		00442	**2006**	**2010**	VAP-G03E-02 During the 2006 cycle, the CB water quality standards were implemented. The Lower Tidal Freshwater James River failed the Shallow Water Use SAV acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		00442	**2006**	**2010**	VAP-G03E-02 During the 2006 cycle, the CB water quality standards were implemented. The Lower Tidal Freshwater James River failed the Shallow Water Use SAV acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River**

TMDL Group ID: **00442**

VAP-G04E_BNG01A04	Brandon Gut	SURRY CO	Tidal portion of Brandon Gut
			JMSTFI

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		00442	**2006**	**2010**	VAP-G03E-02 During the 2006 cycle, the CB water quality standards were implemented. The Lower Tidal Freshwater and Oligohaline James River failed the Shallow Water Use SAV acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		00442	**2006**	**2010**	VAP-G03E-02 During the 2006 cycle, the CB water quality standards were implemented. The Lower Tidal Freshwater and Oligohaline James River failed the Shallow Water Use SAV acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River**

TMDL Group ID: **00442**

VAP-G04E_JMS01A02	**James River**	CHARLES CITY CO PRINCE GEORGE CO	The James River from the confluence with Queens Creek downstream to Brandon Point JMSTFI

VA Overall AU Category: **5A**

Use	Impairment	7.80 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		00442	**2006**	**2010**	VAP-G03E-02

The James River from the Appomattox River to the Chickahominy River was originally listed on the 1998 list as fully supporting but threatened of the Aquatic Life Use goal based on chlorophyll a violations. During the 1998 cycle, EPA extended the segment upstream to the fall line and downgraded the river to not supporting the Aquatic Life Use, citing nutrient concerns.

In previous cycles, the mainstem James River had acceptable dissolved oxygen levels. In addition the entire tidal freshwater portion (fall line to just above the Chickahominy River) has good benthic community based on the results from the Chesapeake Bay Benthic Index of Biological Community; therefore the James River from the fall line to the oligohaline boundary was considered impaired solely for Nutrients/Eutrophication Biological Indicators (EPA Overlist).

During the 2006 cycle, the CB water quality standards were implemented. The Lower Tidal Freshwater James River failed the Shallow Water Use SAV acreage requirements. However, it also failed the 30-day Open Water summer dissolved oxygen criteria. There was insufficient information to assess the other OW criteria or the Migratory Spawning Use.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River**

TMDL Group ID: **00442**

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**	00442	**2006**	**2010**	VAP-G03E-02	The James River from the Appomattox River to the Chickahominy River was originally listed on the 1998 list as fully supporting but threatened of the Aquatic Life Use goal based on chlorophyll a violations. During the 1998 cycle, EPA extended the segment upstream to the fall line and downgraded the river to not supporting the Aquatic Life Use, citing nutrient concerns. In previous cycles, the mainstem James River had acceptable dissolved oxygen levels. In addition the entire tidal freshwater portion (fall line to just above the Chickahominy River) has good benthic community based on the results from the Chesapeake Bay Benthic Index of Biological Community; therefore the James River from the fall line to the oligohaline boundary was considered impaired solely for Nutrients/Eutrophication Biological Indicators (EPA Overlist). During the 2006 cycle, the CB water quality standards were implemented. The Lower Tidal Freshwater James River failed the Shallow Water Use SAV acreage requirements. However, it also failed the 30-day Open Water summer dissolved oxygen criteria.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River**

TMDL Group ID: **00442**

VAP-G04E_JMS02A02	**James River**	CHARLES CITY CO SURRY CO	The James River from the tidal freshwater/oligohaline boundary at river mile 52.08 to the limit of the watershed at river mile 48.40. JMSOH

VA Overall AU Category: **5A**

Use	Impairment	9.20 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		00442	**2006**	**2010**	VAP-G03E-02 The James River from the Appomattox River to the Chickahominy River was originally listed on the 1998 list as fully supporting but threatened of the Aquatic Life Use goal based on chlorophyll a violations. During the 1998 cycle, EPA extended the segment upstream to the fall line and downgraded the river to not supporting the Aquatic Life Use, citing nutrient concerns. In previous cycles, the mainstem James River had acceptable dissolved oxygen levels and the segment was considered impaired solely for Nutrients/Eutrophication Biological Indicators (EPA Overlist). During the 2006 cycle, the CB water quality standards were implemented. The Oligohaline James River failed the Shallow Water Use SAV acreage requirements. It also failed the 30-day Open Water summer dissolved oxygen criteria. There was insufficient information to assess the other OW criteria or the Migratory Spawning Use.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Clean Sediments
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sediment Resuspension (Clean Sediment)
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**	00442	**2006**	**2010**	VAP-G03E-02 The James River from the Appomattox River to the Chickahominy River was originally listed on the 1998 list as fully supporting but threatened of the Aquatic Life Use goal based on chlorophyll a violations. During the 1998 cycle, EPA extended the segment upstream to the fall line and downgraded the river to not supporting the Aquatic Life Use, citing nutrient concerns. In previous cycles, the mainstem James River had acceptable dissolved oxygen levels and the segment was considered impaired solely for Nutrients/Eutrophication Biological Indicators (EPA Overlist). During the 2006 cycle, the CB water quality standards were implemented. The Oligohaline James River failed the Shallow Water Use SAV acreage requirements. It also failed the 30-day Open Water summer dissolved oxygen criteria.

Sources: Agriculture

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: James River

TMDL Group ID: 00442

Sources: Atmospheric Deposition - Nitrogen
Clean Sediments
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sediment Resuspension (Clean Sediment)
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River**

TMDL Group ID: **00442**

VAP-G04E_JMS03A04	**James River**	CHARLES CITY CO SURRY CO	Brandon Point to the tidal freshwater/oligohaline boundary at approximately river mile 52.08. JMSTFI

VA Overall AU Category: **5A**

Use	Impairment	4.71 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		00442	**2006**	**2010**	VAP-G03E-02

In the 2004 cycle, the James River from Brandon Point downstream to the Chickahominy River confluence was assessed as impaired of the Aquatic Life Use and Wildlife Uses due to chloride violations (see 2004 fact sheet VAP-G03E-02.) The chloride TMDL is due in 2016. In the 2006 cycle, the segment remained impaired.

The James River from the Appomattox River to the Chickahominy River was originally listed on the 1998 list as fully supporting but threatened of the Aquatic Life Use goal based on chlorophyll a violations. During the 1998 cycle, EPA extended the segment upstream to the fall line and downgraded the river to not supporting the Aquatic Life Use, citing nutrient concerns.

In previous cycles, the mainstem James River had acceptable dissolved oxygen levels. In addition the entire tidal freshwater portion (fall line to just above the Chickahominy River) has good benthic community based on the results from the Chesapeake Bay Benthic Index of Biological Community; therefore the James River from the fall line to the oligohaline boundary was considered impaired solely for Nutrients/Eutrophication Biological Indicators (EPA Overlist).

During the 2006 cycle, the CB water quality standards were implemented. The Lower Tidal Freshwater James River failed the Shallow Water Use SAV acreage requirements. However, it also failed the 30-day Open Water summer dissolved oxygen criteria.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River**

TMDL Group ID: **00442**

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**	00442	**2006**	**2010**	VAP-G03E-02	In the 2004 cycle, the James River from Brandon Point downstream to the Chickahominy River confluence was assessed as impaired of the Aquatic Life Use and Wildlife Uses due to chloride violations (see 2004 fact sheet VAP-G03E-02.) The chloride TMDL is due in 2016. In the 2006 cycle, the segment remained impaired. The James River from the Appomattox River to the Chickahominy River was originally listed on the 1998 list as fully supporting but threatened of the Aquatic Life Use goal based on chlorophyll a violations. During the 1998 cycle, EPA extended the segment upstream to the fall line and downgraded the river to not supporting the Aquatic Life Use, citing nutrient concerns. In previous cycles, the mainstem James River had acceptable dissolved oxygen levels. In addition the entire tidal freshwater portion (fall line to just above the Chickahominy River) has good benthic community based on the results from the Chesapeake Bay Benthic Index of Biological Community; therefore the James River from the fall line to the oligohaline boundary was considered impaired solely for Nutrients/Eutrophication Biological Indicators (EPA Overlist). During the 2006 cycle, the CB water quality standards were implemented. The Lower Tidal Freshwater James River failed the Shallow Water Use SAV acreage requirements. However, it also failed the 30-day Open Water summer dissolved oxygen criteria.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River**

TMDL Group ID: **00442**

VAP-G04E_KEN01A06	Kennon Creek	CHARLES CITY CO	Tidal limit to mouth
			JMSTFI

VA Overall AU Category: **5A**

Use	Impairment	0.05 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		00442	**2006**	**2010**	VAP-G03E-02 During the 2006 cycle, the CB water quality standards were implemented. The Lower Tidal Freshwater James River failed the Shallow Water Use SAV acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		00442	**2006**	**2010**	VAP-G03E-02 During the 2006 cycle, the CB water quality standards were implemented. The Lower Tidal Freshwater James River failed the Shallow Water Use SAV acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River**

TMDL Group ID: **00442**

VAP-G04E_UCK01A06	**Upper Chippokes Creek**	PRINCE GEORGE CO SURRY CO	Tidal limit to mouth at James River JMSTFI

VA Overall AU Category: **5A**

Use	Impairment	0.99 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		00442	**2006**	**2010**	VAP-G03E-02 During the 2006 cycle, the CB water quality standards were implemented. The Lower Tidal Freshwater James River failed the Shallow Water Use SAV acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		00442	**2006**	**2010**	VAP-G03E-02 During the 2006 cycle, the CB water quality standards were implemented. The Lower Tidal Freshwater James River failed the Shallow Water Use SAV acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River**

TMDL Group ID: **00442**

VAP-G04E_ZZZ01A00	Unsegmented estuaries in G04	CHARLES CITY CO SURRY CO	Unsegmented portion of watershed JMSTFI

VA Overall AU Category: **5A**

Use	Impairment	0.37 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		00442	**2006**	**2010**	VAP-G03E-02 During the 2006 cycle, the CB water quality standards were implemented. The Lower Tidal Freshwater and Oligohaline James River segments failed the Shallow Water Use SAV acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		00442	**2006**	**2010**	VAP-G03E-02 During the 2006 cycle, the CB water quality standards were implemented. The Lower Tidal Freshwater and Oligohaline James River failed the Shallow Water Use SAV acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River**

TMDL Group ID: **00442**

VAP-G04E_ZZZ02A06	Unsegmented estuaries in G04	CHARLES CITY CO SURRY CO	Unsegmented portion of watershed within JMSOH JMSOH

VA Overall AU Category: **5A**

Use	Impairment	0.27 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		00442	**2006**	**2010**	VAP-G03E-02 During the 2006 cycle, the CB water quality standards were implemented. The Oligohaline James River segment failed the Shallow Water Use SAV acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		00442	**2006**	**2010**	VAP-G03E-02 During the 2006 cycle, the CB water quality standards were implemented. The Oligohaline James River failed the Shallow Water Use SAV acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River**

TMDL Group ID: **00445**

VAP-G03E_JMS01A00	James River	CHARLES CITY CO PRINCE GEORGE CO	The mainstem of the James River from the confluence with the Appomattox River downstream to Queens Creek. Now incorporates previous segments JMS02A00 and JMS03A02 JMSTFI

VA Overall AU Category: **5A**

Use	Impairment	13.82 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00445	**2006**	**2014**	VAP-G03E-04 The James River from the Appomattox River downstream to Powells Creek was initially listed as fully supporting but threatened of the Recreation Use during the 1998 cycle. During the 2002 cycle, the segment was downgraded to impaired. During the 2006 cycle, the segment was extended downstream to Queens Creek and E. coli was added as an impairing cause based on the following violation rates: FC 7/58, E. coli 2/6 at 2-JMS075.04 E. coli 2/6 at 2-JMS074.44 E. coli 2/6 at 2-JMS069.08 The TMDL is due in 2014.
		Sources:	Discharges from Municipal Separate Storm Sewer Systems (MS4) Source Unknown			
Recreation	**Fecal Coliform**		00445	**2002**	**2014**	VAP-G03E-04 The James River from the Appomattox River downstream to Powells Creek was initially listed as fully supporting but threatened of the Recreation Use during the 1998 cycle. During the 2002 cycle, the segment was downgraded to impaired. During the 2006 cycle, the segment was extended downstream to Queens Creek and E. coli was added as an impairing cause based on the following violation rates: FC 7/58, E. coli 2/6 at 2-JMS075.04 E. coli 2/6 at 2-JMS074.44 E. coli 2/6 at 2-JMS069.08 The TMDL is due in 2014.
		Sources:	Discharges from Municipal Separate Storm Sewer Systems (MS4) Source Unknown			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River**

TMDL Group ID: **00451**

VAC-H08R_JMS01A00	James River	BUCKINGHAM CO NELSON CO	James River from Bent Creek to its confluence with the Tye River

VA Overall AU Category: **5A**

Use	Impairment	10.08 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		00451	**2002**	**2014**	

Sources: Source Unknown

TMDL Group ID: **00452**

VAP-H39R_JMS03A98	James River	RICHMOND CITY	The James River from the Boulevard Bridge to the fall line.

VA Overall AU Category: **5A**

Use	Impairment	3.29 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00452	**2006**	**2010**	VAP-H39R-08 The James River has been assessed not supporting of the Recreation use support goal based on the results of a summer special study in the fall zone. The special study was designed to monitor the effects of summertime rain and combined sewer overflow (CSO) events on water quality in the James River and to monitor the effects of Richmond's CSO abatement efforts. The special study data used representative conditions before completion of CSO abatement projects. The segment was extended upstream from the 1998 cycle during the 2002 assessment. The TMDL for the original portion (Boulevard Bridge to Fall Line) is due in 2010, but the TMDL for the upstream portion is not due until 2014. The lower portion remains impaired because of E. coli violations at multiple stations and fecal coliform violations at 2-JMS110.30.

Sources: Combined Sewer Overflows
Non-Point Source

Use	Impairment	3.29 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		00452	**1996**	**2010**	VAP-H39R-08 The James River has been assessed not supporting of the Recreation use support goal based on the results of a summer special study in the fall zone. The special study was designed to monitor the effects of summertime rain and combined sewer overflow (CSO) events on water quality in the James River and to monitor the effects of Richmond's CSO abatement efforts. The special study data used representative conditions before completion of CSO abatement projects. The segment was extended upstream from the 1998 cycle during the 2002 assessment. The TMDL for the original portion (Boulevard Bridge to Fall Line) is due in 2010, but the TMDL for the upstream portion is not due until 2014. The lower portion remains impaired because of E. coli violations at multiple stations and fecal coliform violations at 2-JMS110.30.

Sources: Combined Sewer Overflows
Non-Point Source

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River**

TMDL Group ID: **00453**

VAP-H39R_JMS03A98	James River	RICHMOND CITY	The James River from the Boulevard Bridge to the fall line.

VA Overall AU Category: **5A**

Use	Impairment	3.29 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		00453	**1996**	**2010**	VAP-H39R-09

The James River was assessed not supporting of the Aquatic Life use support goal based on the results of biological (benthic) monitoring at station 2-JMS110.34 and 2-JMS110.44, which indicated moderately impaired benthic communities when compared to the control station at 2-JMS115.29. Acanthamoeba (an amoebae that inhabits lesions in fish and has a remote chance of having human health effects) was detected in lesions in fish taken from the James River near Mayo Bridge in September 1997.

In addition, stations 2-HMS112.37 and 2-JMS111.48 had exceedances of the dissolved oxygen violation rate. The DO TMDL is due in 2014.

Sources: Source Unknown

TMDL Group ID: **00455**

VAP-H39R_JMS02A98	James River	RICHMOND CITY	The James River from the William's Island dam to the Boulevard Bridge.

VA Overall AU Category: **5A**

Use	Impairment	3.05 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00455	**2006**	**2014**	VAP-H39R-08

The James River has been assessed not supporting of the Recreation use support goal based on the results of a summer special study in the fall zone. The special study was designed to monitor the effects of summertime rain and combined sewer overflow (CSO) events on water quality in the James River and to monitor the effects of Richmond's CSO abatement efforts. The special study data used representative conditions before completion of CSO abatement projects.

The segment was extended upstream from the 1998 cycle during the 2002 assessment. The TMDL for the original portion (Boulevard Bridge to Fall Line) is due in 2010, but the TMDL for the upstream portion is not due until 2014. During the 2006 cycle, the area above Boulevard Bridge was assessed based on 2-JMS115.29. The station had an acceptable E. coli instantaneous violation rate of 0/16, however there was a violation of the monthly geometric mean in July 2003. Typically, one violation would result in an assessment of fully supporting with observed effects, however since the area was previously impaired, the segment should not be delisted.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River**

TMDL Group ID: **00460**

VAW-I18R_JMS01A00 **James River Lower** BOTETOURT CO James River mainstem from the confluence of Craig Creek upstream to the confluence of Stull Run.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**	7.85 MILES	00460	**1998**	**2010**	

Sources: Industrial Point Source Discharge
Municipal Point Source Discharges
Upstream Source

VAW-I18R_JMS02A00 **James River Upper** BOTETOURT CO James River mainstem from the confluence of Stull Run upstream to the confluence of the Jackson and Cowpasture Rivers.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**	7.51 MILES	00460	**1998**	**2010**	

Sources: Industrial Point Source Discharge
Municipal Point Source Discharges
Upstream Source

TMDL Group ID: **00461**

VAW-I24R_JMS01A00 **James River Upper** BOTETOURT CO James River mainstem from the Craig Creek mouth downstream to the Catawba Creek mouth.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**	4.99 MILES	00461	**1998**	**2010**	

Sources: Industrial Point Source Discharge
Municipal Point Source Discharges
Upstream Source

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River**

TMDL Group ID: **00545**

VAP-H33R_JMS01A98 — **James River** — CUMBERLAND CO, POWHATAN CO — The James River from its confluence with the Rivanna River at river mile 166.61 downstream to the confluence with Big Lickinghole Creek at river mile 143.35.

VA Overall AU Category: **5A**

Use	Impairment	22.87 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		00545	**2006**	**2016**	VAC-H03R-04

The James River from the Big Island dam to the fall line in Richmond is considered impaired of the fish consumption use due to a VDH fish consumption restriction for PCBs. The segment was expanded during the 2006 cycle from the 2004 SCRO impairment, but the original 2016 TMDL due date was maintained.

Sources: Source Unknown

VAP-H38R_JMS01A00 — **James River** — GOOCHLAND CO, POWHATAN CO — The James River from river mile 137.00 to river mile 135.00

VA Overall AU Category: **5A**

Use	Impairment	2.00 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		00545	**2006**	**2016**	VAC-H03R-04 (00545)

The James River from the Big Island dam to the fall line in Richmond is considered impaired of the fish consumption use due to a VDH fish consumption restriction for PCBs. The segment was expanded during the 2006 cycle from the 2004 SCRO impairment, but the original 2016 TMDL due date was maintained.

Sources: Source Unknown

VAP-H38R_JMS01A06 — **From Big Lickinghole Creek to start of PWS section** — GOOCHLAND CO — James River Basin

VA Overall AU Category: **5A**

Use	Impairment	1.49 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		00545	**2006**	**2014**	VAC-H03R-04 (00545)

The James River from the Big Island dam to the fall line in Richmond is considered impaired of the fish consumption use due to a VDH fish consumption restriction for PCBs. The segment was expanded during the 2006 cycle from the 2004 SCRO impairment, but the original 2016 TMDL due date was maintained.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River**

TMDL Group ID: **00545**

VAP-H38R_JMS02A04 | **James River** | GOOCHLAND CO POWHATAN CO | James River from the confluence with Mohawk Creek to river mile 137.00

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	3.64 MILES	00545	**2006**	**2016**	VAC-H03R-04 (00545)

The James River from the Big Island dam to the fall line in Richmond is considered impaired of the fish consumption use due to a VDH fish consumption restriction for PCBs. The segment was expanded during the 2006 cycle from the 2004 SCRO impairment, but the original 2016 TMDL due date was maintained.

Sources: Source Unknown

VAP-H38R_JMS03A06 | **James River** | GOOCHLAND CO POWHATAN CO | Rivermile 137 to rivermile 130.14 in H39

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	5.21 MILES	00545	**2006**	**2016**	VAC-H03R-04 (00545)

The James River from the Big Island dam to the fall line in Richmond is considered impaired of the fish consumption use due to a VDH fish consumption restriction for PCBs. The segment was expanded during the 2006 cycle from the 2004 SCRO impairment, but the original 2016 TMDL due date was maintained.

Sources: Source Unknown

VAP-H38R_JMS04A06 | **James River** | GOOCHLAND CO POWHATAN CO | Start of PWS section downstream to Mohawk Creek

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	1.37 MILES	00545	**2006**	**2016**	VAC-H03R-04

The James River from the Big Island dam to the fall line in Richmond is considered impaired of the fish consumption use due to a VDH fish consumption restriction for PCBs. The segment was expanded during the 2006 cycle from the 2004 SCRO impairment, but the original 2016 TMDL due date was maintained.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River**

TMDL Group ID: **00545**

VAP-H39R_JMS01A98 | **James River** | CHESTERFIELD CO, RICHMOND CITY | The James River from the confluence with Tuckahoe Creek to the William's Island Dam.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	10.06 MILES	00545	**2006**	**2016**	VAC-H03R-04 (00545)

The James River from the Big Island dam to the fall line in Richmond is considered impaired of the fish consumption use due to a VDH fish consumption restriction for PCBs. The segment was expanded during the 2006 cycle from the 2004 SCRO impairment, but the original 2016 TMDL due date was maintained.

Sources: Source Unknown

VAP-H39R_JMS01B00 | **James River** | GOOCHLAND CO, POWHATAN CO | The James River from river mile 130.14 to river mile 128.14.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	2.00 MILES	00545	**2006**	**2016**	VAC-H03R-04 (00545)

The James River from the Big Island dam to the fall line in Richmond is considered impaired of the fish consumption use due to a VDH fish consumption restriction for PCBs. The segment was expanded during the 2006 cycle from the 2004 SCRO impairment, but the original 2016 TMDL due date was maintained.

Sources: Source Unknown

VAP-H39R_JMS02A98 | **James River** | RICHMOND CITY | The James River from the William's Island dam to the Boulevard Bridge.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	3.05 MILES	00545	**2006**	**2016**	VAC-H03R-04 (00545)

The James River from the Big Island dam to the fall line in Richmond is considered impaired of the fish consumption use due to a VDH fish consumption restriction for PCBs. The segment was expanded during the 2006 cycle from the 2004 SCRO impairment, but the original 2016 TMDL due date was maintained.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River**

TMDL Group ID: **00545**

VAP-H39R_JMS02B04 — **James River** — GOOCHLAND CO, POWHATAN CO — The James River from river mile 128.14 to the confluence with Tuckahoe Creek.

VA Overall AU Category: **5A**

Use	Impairment	4.34 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		00545	**2006**	**2016**	VAC-H03R-04 (00545)

The James River from the Big Island dam to the fall line in Richmond is considered impaired of the fish consumption use due to a VDH fish consumption restriction for PCBs. The segment was expanded during the 2006 cycle from the 2004 SCRO impairment, but the original 2016 TMDL due date was maintained.

Sources: Source Unknown

VAP-H39R_JMS03A98 — **James River** — RICHMOND CITY — The James River from the Boulevard Bridge to the fall line.

VA Overall AU Category: **5A**

Use	Impairment	3.29 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		00545	**2006**	**2016**	VAC-H03R-04 (00545)

The James River from the Big Island dam to the fall line in Richmond is considered impaired of the fish consumption use due to a VDH fish consumption restriction for PCBs. The segment was expanded during the 2006 cycle from the 2004 SCRO impairment, but the original 2016 TMDL due date was maintained.

Sources: Source Unknown

TMDL Group ID: **00546**

VAC-H03R_JMS01A00 — **James River** — AMHERST CO, LYNCHBURG CITY — James River mainstem from the Business Route 29 bridge downstream to the mouth of Williams Run, the watershed boundary.

VA Overall AU Category: **5A**

Use	Impairment	3.57 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		00546	**2004**	**2016**	

Sources: Source Unknown

VAC-H03R_JMS04A02 — **James River** — AMHERST CO, LYNCHBURG CITY — James River mainstem from Reusens dam downstream to Business Route 29.

VA Overall AU Category: **5A**

Use	Impairment	4.12 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		00546	**2004**	**2016**	

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River**

TMDL Group ID: **00546**

VAC-H03R_JMS06A02 — **James River** — AMHERST CO, LYNCHBURG CITY — James River mainstem from Holcomb Rock Dam downstream to Reusens Dam.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	8.17 MILES	00546	**2006**	**2016**	

Sources: Source Unknown

VAC-H05R_JMS01A00 — **James River** — AMHERST CO, NELSON CO — James River mainstem from the Wreck Island Creek confluence downstream to the watershed boundary at the mouth of Bent Creek.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	6.15 MILES	00546	**2006**	**2016**	

Sources: Source Unknown

VAC-H05R_JMS02A00 — **James River** — AMHERST CO, CAMPBELL CO — James River mainstem from the confluence of Slippery Branch to the Wreck Island Creek mouth on the James River.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	14.22 MILES	00546	**2006**	**2016**	

Sources: Source Unknown

VAC-H05R_JMS03A00 — **James River** — AMHERST CO, CAMPBELL CO — James River mainstem from the confluence of Archer Creek on downstream to the mouth of Slippery Branch.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	3.90 MILES	00546	**2006**	**2016**	

Sources: Source Unknown

VAC-H05R_JMS04A00 — **James River** — AMHERST CO, LYNCHBURG CITY — James River mainstem from the upper watershed boundary at the confluence of Williams Run downstream to the mouth of Archer Creek.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	2.57 MILES	00546	**2004**	**2016**	

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River**

TMDL Group ID: **00546**

VAC-H08R_JMS01A00	James River	BUCKINGHAM CO NELSON CO	James River from Bent Creek to its confluence with the Tye River

VA Overall AU Category:	5A	Impairment	10.08 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Use							
Fish Consumption		**PCB in Fish Tissue**		00546	**2006**	**2016**	

Sources: Source Unknown

VAC-H14R_JMS01A00	James River	BUCKINGHAM CO NELSON CO	James River from the Tye River to the Rockfish River

VA Overall AU Category:	5A	Impairment	21.44 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Use							
Fish Consumption		**PCB in Fish Tissue**		00546	**2006**	**2016**	

Sources: Source Unknown

VAC-H20R_JMS01A02	James River	BUCKINGHAM CO FLUVANNA CO	James River from the Hardware River downstream to a point 5 miles above Fork Union Sanitary District raw water intake.

VA Overall AU Category:	5A	Impairment	1.91 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Use							
Fish Consumption		**PCB in Fish Tissue**		00546	**2006**	**2016**	

Sources: Source Unknown

VAC-H20R_JMS02A02	James River	BUCKINGHAM CO FLUVANNA CO	The James River from a point 5 miles above Fork Union Sanitary District's raw water intake to the intake at the Route 15 bridge.

VA Overall AU Category:	5A	Impairment	5.28 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Use							
Fish Consumption		**PCB in Fish Tissue**		00546	**2006**	**2016**	

Sources: Source Unknown

VAC-H20R_JMS03A02	James River	BUCKINGHAM CO FLUVANNA CO	The James River from the Fork Union Sanitary District's water intake at the Route 15 bridge downstream to the confluence with the Rivanna River.

VA Overall AU Category:	5A	Impairment	9.18 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Use							
Fish Consumption		**PCB in Fish Tissue**		00546	**2006**	**2016**	

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River**

TMDL Group ID: **00546**

VAV-H17R_JMS01A00 — **James River** — ALBEMARLE CO, FLUVANNA CO — James River from its confluence with Sycamore Creek downstream to its confluence with the Hardware River.

VA Overall AU Category: **5A**

Use	Impairment	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	

Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule
PCB in Fish Tissue	20.35 MILES	00546	**2006**	**2018**

Sources: Source Unknown

VAW-H01R_JMS01A00 — **James River Holcomb** — AMHERST CO, BEDFORD CO — James River mainstem from the mouth of Wilderness Creek downstream to Holcomb Rock Dam.

VA Overall AU Category: **5A**

Use	Impairment	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	VDH Fish Consumption Advisory. VAC-H03R-04.

Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule
PCB in Fish Tissue	1.34 MILES	00546	**2006**	**2016**

Sources: Source Unknown

VAW-H01R_JMS01A04 — **James River Upper PWS** — AMHERST CO, BEDFORD CO — The James River from the upstream ending of the WQS PWS designation (37°30'08.38"/79°01'18.18") downstream to the mouth of Wilderness Creek.

VA Overall AU Category: **5A**

Use	Impairment	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	VDH Fish Consumption Advisory. VAC-H03R-04.

Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule
PCB in Fish Tissue	0.72 MILES	00546	**2006**	**2016**

Sources: Source Unknown

VAW-H01R_JMS02A00 — **James River Lower** — AMHERST CO, BEDFORD CO — James River mainstem from the Georgia Pacific outfalls downstream to the upstream ending of the WQS PWS designation (37°30'08.38"/79°01'18.18")

VA Overall AU Category: **5A**

Use	Impairment	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	VDH Fish Consumption Advisory. VAC-H03R-04.

Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule
PCB in Fish Tissue	4.02 MILES	00546	**2006**	**2016**

Sources: Source Unknown

VAW-H01R_JMS03A00 — **James River Middle 1** — AMHERST CO, BEDFORD CO — James River mainstem from the mouth of Hunting Creek downstream to the Georgia Pacific outfalls on the James River.

VA Overall AU Category: **5A**

Use	Impairment	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	VDH Fish Consumption Advisory. VAC-H03R-04.

Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule
PCB in Fish Tissue	0.29 MILES	00546	**2006**	**2016**

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River**

TMDL Group ID: **00585**

VAP-G01E_JMS01A02 | **James River** | RICHMOND CITY | The James River from the fall line to river mile 108.76.

JMSTFu

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.15	SQUARE MILES	00585	**2002**	**2014**	VAP-G01E-03

During the 2002 cycle, the James River from the Fall line to Queens Creek was considered not supporting of the Fish Consumption Use due to PCBs in multiple fish species at multiple DEQ monitoring locations. During the 2004 cycle, a VDH Fish Consumption Restriction was issued and the segment was adjusted slightly to end at Flowerdew Hundred like the Restriction. However, during the 2006 cycle, the restriction was extended on 12/13/2004 and now extends from the I-95 bridge downstream to the Hampton Roads Bridge Tunnel.

Sources: Source Unknown

VAP-G01E_JMS02A02 | **James River** | HENRICO CO
RICHMOND CITY | The James River from river mile 108.76 to river mile 108.63.

JMSTFu

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.02	SQUARE MILES	00585	**2002**	**2014**	VAP-G01E-03

During the 2002 cycle, the James River from the Fall line to Queens Creek was considered not supporting of the Fish Consumption Use due to PCBs in multiple fish species at multiple DEQ monitoring locations. During the 2004 cycle, a VDH Fish Consumption Restriction was issued and the segment was adjusted slightly to end at Flowerdew Hundred like the Restriction. However, during the 2006 cycle, the restriction was extended on 12/13/2004 and now extends from the I-95 bridge downstream to the Hampton Roads Bridge Tunnel.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River**

TMDL Group ID: **00585**

VAP-G01E_JMS03A02 — **James River** — CHESTERFIELD CO, RICHMOND CITY

The James River from river mile 108.63 to the confluence with Proctors Creek at river mile 2-JMS097.94.

JMSTFu

VA Overall AU Category: **5A**

Use	Impairment	1.43 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		00585	**2002**	**2014**	VAP-G01E-03

During the 2002 cycle, the James River from the Fall line to Queens Creek was considered not supporting of the Fish Consumption Use due to PCBs in multiple fish species at multiple DEQ monitoring locations. During the 2004 cycle, a VDH Fish Consumption Restriction was issued and the segment was adjusted slightly to end at Flowerdew Hundred like the Restriction. However, during the 2006 cycle, the restriction was extended on 12/13/2004 and now extends from the I-95 bridge downstream to the Hampton Roads Bridge Tunnel.

Sources: Source Unknown

VAP-G02E_JMS01A00 — **James River/Turkey Island Creek/Fourmile Creek** — CHESTERFIELD CO, HENRICO CO

The James River and the tidal portion of all tributaries from Proctors Creek to 5 miles above American Tobacco's raw water intake. Includes Farrar Gut

JMSTFu

VA Overall AU Category: **5A**

Use	Impairment	1.50 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		00585	**2002**	**2014**	VAP-G01E-03

During the 2002 cycle, the James River from the Fall line to Queens Creek was considered not supporting of the Fish Consumption Use due to PCBs in multiple fish species at multiple DEQ monitoring locations. During the 2004 cycle, a VDH Fish Consumption Restriction was issued and the segment was adjusted slightly to end at Flowerdew Hundred like the Restriction. However, during the 2006 cycle, the restriction was extended on 12/13/2004 and now extends from the I-95 bridge downstream to the Hampton Roads Bridge Tunnel.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River**

TMDL Group ID: **00585**

VAP-G02E_JMS02A00 — **James River/Turkey Island Creek/Fourmile Creek** — CHARLES CITY CO, HENRICO CO

The James River and the tidal portion of all tributaries from 5 miles above American Tobacco's raw water intake to downstream extent of JMSTFu.

JMSTFu

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	4.81	SQUARE MILES	00585	**2002**	**2014**	VAP-G01E-03

During the 2002 cycle, the James River from the Fall line to Queens Creek was considered not supporting of the Fish Consumption Use due to PCBs in multiple fish species at multiple DEQ monitoring locations. During the 2004 cycle, a VDH Fish Consumption Restriction was issued and the segment was adjusted slightly to end at Flowerdew Hundred like the Restriction. However, during the 2006 cycle, the restriction was extended on 12/13/2004 and now extends from the I-95 bridge downstream to the Hampton Roads Bridge Tunnel.

Sources: Source Unknown

VAP-G02E_JMS03A06 — **James River** — CHARLES CITY CO, HOPEWELL CITY

The James River and the tidal portion of all tributaries from the upstream extent of JMSTFI to the downstream extent of PWS.

JMSTFI

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.75	SQUARE MILES	00585	**2002**	**2014**	VAP-G01E-03

During the 2002 cycle, the James River from the Fall line to Queens Creek was considered not supporting of the Fish Consumption Use due to PCBs in multiple fish species at multiple DEQ monitoring locations. During the 2004 cycle, a VDH Fish Consumption Restriction was issued and the segment was adjusted slightly to end at Flowerdew Hundred like the Restriction. However, during the 2006 cycle, the restriction was extended on 12/13/2004 and now extends from the I-95 bridge downstream to the Hampton Roads Bridge Tunnel.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River**

TMDL Group ID: **00585**

VAP-G03E_JMS01A00 | **James River** | CHARLES CITY CO, PRINCE GEORGE CO

The mainstem of the James River from the confluence with the Appomattox River downstream to Queens Creek.

Now incorporates previous segments JMS02A00 and JMS03A02

JMSTFI

VA Overall AU Category: **5A**

Use	Impairment	13.82 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		00585	**2002**	**2014**	VAP-G01E-03

During the 2002 cycle, the James River from the Fall line to Queens Creek was considered not supporting of the Fish Consumption Use due to PCBs in multiple fish species at multiple DEQ monitoring locations, including 2 stations within this segment. During the 2004 cycle, a VDH Fish Consumption Restriction was issued and the segment was adjusted slightly to end at Flowerdew Hundred like the Restriction. However, during the 2006 cycle, the restriction was extended on 12/13/2004 and now extends from the I-95 bridge downstream to the Hampton Roads Bridge Tunnel.

Sources: Source Unknown

VAP-G04E_JMS01A02 | **James River** | CHARLES CITY CO, PRINCE GEORGE CO

The James River from the confluence with Queens Creek downstream to Brandon Point

JMSTFI

VA Overall AU Category: **5A**

Use	Impairment	7.80 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		00585	**2006**	**2018**	VAP-G01E-03

During the 2002 cycle, the James River from the Fall line to Queens Creek was considered not supporting of the Fish Consumption Use due to PCBs in multiple fish species at multiple DEQ monitoring locations. During the 2004 cycle, a VDH Fish Consumption Restriction was issued and the segment was adjusted slightly to end at Flowerdew Hundred like the restriction. However, during the 2006 cycle, the restriction was reissued on 12/13/2004 and now extends from the I-95 bridge downstream to the Hampton Roads Bridge Tunnel. The TMDL for the upper portion is due in 2014, and the TMDL for the lower extension is due in 2018.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River**

TMDL Group ID: **00585**

VAP-G04E_JMS02A02 — **James River** — CHARLES CITY CO, SURRY CO

The James River from the tidal freshwater/oligohaline boundary at river mile 52.08 to the limit of the watershed at river mile 48.40.

JMSOH

VA Overall AU Category: **5A**

Use	Impairment	9.20 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		00585	**2006**	**2018**	VAP-G01E-03

During the 2002 cycle, the James River from the Fall line to Queens Creek was considered not supporting of the Fish Consumption Use due to PCBs in multiple fish species at multiple DEQ monitoring locations. During the 2004 cycle, a VDH Fish Consumption Restriction was issued and the segment was adjusted slightly to end at Flowerdew Hundred like the restriction. However, during the 2006 cycle, the restriction was extended on 12/13/2004 and now extends from the I-95 bridge downstream to the Hampton Roads Bridge Tunnel. The TMDL for the extended portion is due in 2018.

Sources: Source Unknown

VAP-G04E_JMS03A04 — **James River** — CHARLES CITY CO, SURRY CO

Brandon Point to the tidal freshwater/oligohaline boundary at approximately river mile 52.08.

JMSTFI

VA Overall AU Category: **5A**

Use	Impairment	4.71 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		00585	**2006**	**2018**	VAP-G01E-03 (PCBs)

During the 2002 cycle, the James River from the Fall line to Queens Creek was considered not supporting of the Fish Consumption Use due to PCBs in multiple fish species at multiple DEQ monitoring locations. During the 2004 cycle, a VDH Fish Consumption Restriction was issued and the segment was adjusted slightly to end at Flowerdew Hundred like the restriction. However, during the 2006 cycle, the restriction was extended on 12/13/2004 and now extends from the I-95 bridge downstream to the Hampton Roads Bridge Tunnel. The TMDL for the lower extended portion is due in 2018.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River**

TMDL Group ID: **00605**

VAT-G11E_JMS02A06	**James River - Blunt Point to Hilton Village**	ISLE OF WIGHT CO NEWPORT NEWS CITY	Mainstem from line between Blunt Point (Newport News)/Rescue (Isle of Wight) downstream to line Hilton Village (Newport News)/Kings Creek (Isle of Wight). Portion of CBP segment JMSMH. DSS (OPEN) shellfish direct harvesting condemnation # 057-069 I.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	13.65 SQUARE MILES	00605	**2006**	**2014**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04. This segment was previously identified (2004 IR) as a site-specific impairment for PCBs in fish tissue concentrations under TMDL ID VAT-G11E-09, this previous impairment TMDL due date is carried forward for this AU, rather than base the TMDL due date on the issuance date of the VDH PCB advisory.

Sources: Source Unknown

TMDL Group ID: **00766**

VAC-H05R_JMS01A00	**James River**	AMHERST CO NELSON CO	James River mainstem from the Wreck Island Creek confluence downstream to the watershed boundary at the mouth of Bent Creek.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	6.15 MILES	00766	**2002**	**2014**	

Sources: Source Unknown

TMDL Group ID: **01148**

VAP-G04E_JMS02A02	**James River**	CHARLES CITY CO SURRY CO	The James River from the tidal freshwater/oligohaline boundary at river mile 52.08 to the limit of the watershed at river mile 48.40. JMSOH

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Estuarine Bioassessments**	9.20 SQUARE MILES	01148	**2004**	**2016**	VAP-G04E-02 The oligohaline portion of the James River is impaired for benthics as determined by the Chesapeake Bay B-IBI study. The discriminant tool lists the source as unknown, however natural sediment conditions are suspected.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River**

TMDL Group ID: **01173**

VAP-H33R_JMS01A98 | **James River** | CUMBERLAND CO, POWHATAN CO | The James River from its confluence with the Rivanna River at river mile 166.61 downstream to the confluence with Big Lickinghole Creek at river mile 143.35.

VA Overall AU Category: **5A**

Use	Impairment	22.87 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		01173	**2004**	**2016**	VAP-H33R-01

This segment was assessed as not supporting of the Recreation Use based on a fecal coliform violation rate of 4/35 at the Route 45 bridge (2-JMS157.28) during the 2004 cycle. Although the violation rate during the 2006 cycle is acceptable (1/13), there has been no bacteria monitoring at this site since 2001, therefore the fecal impairment is carried over.

Sources: Source Unknown

VAP-H38R_JMS02A04 | **James River** | GOOCHLAND CO, POWHATAN CO | James River from the confluence with Mohawk Creek to river mile 137.00

VA Overall AU Category: **5A**

Use	Impairment	3.64 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		01173	**2004**	**2016**	VAP-H38R-04

The James River was assessed not supporting of the Recreation Use based on a violation rate of 2/13 at the Route 522 bridge (2-JMS140.00.)

Sources: Source Unknown

TMDL Group ID: **01174**

VAP-H39R_JMS02B04 | **James River** | GOOCHLAND CO, POWHATAN CO | The James River from river mile 128.14 to the confluence with Tuckahoe Creek.

VA Overall AU Category: **5A**

Use	Impairment	4.34 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		01174	**2004**	**2016**	VAP-H39R-12

The James River is assessed not supporting of the Recreation Use support goal because of a fecal coliform violation rate of 4/13 at station 2-JMS127.50, which is located at Watkins Landing at the end of Route 652.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River**

TMDL Group ID: **01187**

VAP-H39R_JMS03A98	James River	RICHMOND CITY	The James River from the Boulevard Bridge to the fall line.

VA Overall AU Category: **5A**

Use	Impairment	3.29 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01187	**2002**	**2014**	VAP-H39R-09

The James River was assessed not supporting of the Aquatic Life use support goal based on the results of biological (benthic) monitoring at station 2-JMS110.34 and 2-JMS110.44, which indicated moderately impaired benthic communities when compared to the control station at 2-JMS115.29. Acanthamoeba (an amoebae that inhabits lesions in fish and has a remote chance of having human health effects) was detected in lesions in fish taken from the James River near Mayo Bridge in September 1997.

In addition, stations 2-HMS112.37 and 2-JMS111.48 had exceedances of the dissolved oxygen violation rate. The DO TMDL is due in 2014.

Sources: Combined Sewer Overflows
Non-Point Source

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: James River

TMDL Group ID: 10125

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River**

TMDL Group ID: **10125**

VAP-G04E_JMS02A02	**James River**	CHARLES CITY CO SURRY CO	The James River from the tidal freshwater/oligohaline boundary at river mile 52.08 to the limit of the watershed at river mile 48.40. JMSOH

VA Overall AU Category: **5A**

Use	Impairment	9.20 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		10125	**2006**	**2010**	VAP-G03E-02 The James River from the Appomattox River to the Chickahominy River was originally listed on the 1998 list as fully supporting but threatened of the Aquatic Life Use goal based on chlorophyll a violations. During the 1998 cycle, EPA extended the segment upstream to the fall line and downgraded the river to not supporting the Aquatic Life Use, citing nutrient concerns. In previous cycles, the mainstem James River had acceptable dissolved oxygen levels and the segment was considered impaired solely for Nutrients/Eutrophication Biological Indicators (EPA Overlist). During the 2006 cycle, the CB water quality standards were implemented. The Oligohaline James River failed the Shallow Water Use SAV acreage requirements. It also failed the 30-day Open Water summer dissolved oxygen criteria.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		10125	**2006**	**2010**	VAP-G03E-02 The James River from the Appomattox River to the Chickahominy River was originally listed on the 1998 list as fully supporting but threatened of the Aquatic Life Use goal based on chlorophyll a violations. During the 1998 cycle, EPA extended the segment upstream to the fall line and downgraded the river to not supporting the Aquatic Life Use, citing nutrient concerns. In previous cycles, the mainstem James River had acceptable dissolved oxygen levels and the segment was considered impaired solely for Nutrients/Eutrophication Biological Indicators (EPA Overlist). During the 2006 cycle, the CB water quality standards were implemented. The Oligohaline James River failed the Shallow Water Use SAV acreage requirements. It also failed the 30-day Open Water summer dissolved oxygen criteria.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River**

TMDL Group ID: **10125**

Sources: Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

VAP-G04E_ZZZ02A06 **Unsegmented estuaries in G04** CHARLES CITY CO, SURRY CO — Unsegmented portion of watershed within JMSOH

JMSOH

VA Overall AU Category: **5A**

Use	Impairment	0.27 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		10125	**2006**	**2010**	VAP-G03E-02 During the 2006 cycle, the CB water quality standards were implemented. The Oligohaline James River segment failed the 30-day Open Water summer dissolved oxygen criteria.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		10125	**2006**	**2010**	VAP-G03E-02 During the 2006 cycle, the CB water quality standards were implemented. The Oligohaline James River failed the 30-day Open Water summer dissolved oxygen criteria.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River**

TMDL Group ID: **50066**

VAV-I27R_JMS01A00 — **James River** — BOTETOURT CO — James River from its confluence with an unnamed tributary just north of the Rockbrdige County line downstream to its confluence with Long Run.

VA Overall AU Category: **5A**

Use	Impairment	14.58 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		50066	**2006**	**2018**	Newly listed for pH in 2006.

Sources: Atmospheric Deposition - Acidity
Source Unknown

TMDL Group ID: **50090**

VAC-H20R_JMS01A02 — **James River** — BUCKINGHAM CO, FLUVANNA CO — James River from the Hardware River downstream to a point 5 miles above Fork Union Sanitary District raw water intake.

VA Overall AU Category: **5A**

Use	Impairment	1.91 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		50090	**2006**	**2018**	

Sources: Source Unknown

VAC-H20R_JMS02A02 — **James River** — BUCKINGHAM CO, FLUVANNA CO — The James River from a point 5 miles above Fork Union Sanitary District's raw water intake to the intake at the Route 15 bridge.

VA Overall AU Category: **5A**

Use	Impairment	5.28 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		50090	**2006**	**2018**	

Sources: Source Unknown

VAC-H20R_JMS03A02 — **James River** — BUCKINGHAM CO, FLUVANNA CO — The James River from the Fork Union Sanitary District's water intake at the Route 15 bridge downstream to the confluence with the Rivanna River.

VA Overall AU Category: **5A**

Use	Impairment	9.18 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		50090	**2006**	**2018**	

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River**

TMDL Group ID: **76105**

VAT-G10E_JMS01A06 — **James River Mainstem - Chickahominy R. to Hog Point** — ISLE OF WIGHT CO, SURRY CO

From confluence with Chickahominy R. coincident with watershed line downstream to line between Carter Grove and downstream of Walnut Point. Portion of CBP segment JMSOH.DSS (ADMINISTRATIVE) shellfish harvesting condemnations # 060-069 B & 059-067 B.

VA Overall AU Category: **5A**

Use	Impairment	43.43 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Estuarine Bioassessments**		76105	**2006**	**2016**	The Aquatic Life Use is impaired based on failure to meet a statistical evaluation constituting an un-impacted benthic organism population per CBP (Benthic-BIBI) analysis (VERSAR-2005). The source/stressor tool yielded an unknown source for the impairment. Also listed impaired in 2004 IR based on CBP-BIBI probabilistic estuarine benthic assessment (VERSAR 9/30/2005).This segment was previously included (2004 IR) in TMDL ID: VAT-G10E-05. The TMDL due date is carried from the previous 2004 IR impairment identification date.

Sources: Source Unknown

VAT-G10E_JMS02A06 — **James River - Hog Point (Open Shellfish Area)** — ISLE OF WIGHT CO, SURRY CO

Triangular area in mainstem around Walnut Point. Portion of CBP segment JMSOH. DSS (OPEN) shellfish direct harvesting condemnation # 057-069 I.

VA Overall AU Category: **5A**

Use	Impairment	3.53 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Estuarine Bioassessments**		76105	**2006**	**2016**	The Aquatic Life Use is impaired based on failure to meet a statistical evaluation constituting an un-impacted benthic organism population per CBP (Benthic-BIBI) analysis (VERSAR-2005). The source/stressor tool yielded an unknown source for the impairment. Also listed impaired in 2004 IR based on CBP-BIBI probabilistic estuarine benthic assessment (VERSAR 9/30/2005). This segment was previously included (2004 IR) in TMDL ID: VAT-G10E-05. The TMDL due date is carried from the previous 2004 IR impairment identification date.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River**

TMDL Group ID: **76106**

VAT-G11E_JMS01A06 — **James River - Hog Point to Blunt Point** — ISLE OF WIGHT CO, NEWPORT NEWS CITY

Mainstem from Hog Point downstream to a line between Blunt Point (Newport News)/Rescue (Isle of Wight). Portion of CBP segment JMSMH. DSS (OPEN) shellfish direct harvesting condemnation # 057-069 I.

VA Overall AU Category: **5A**

Use	Impairment	48.28 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Estuarine Bioassessments**		76106	**2006**	**2016**	The Aquatic Life Use is impaired based on failure to meet a statistical evaluation constituting an un-impacted benthic organism population per CBP (Benthic-BIBI) analysis (VERSAR-2005). The source/stressor tool yielded an unknown source for the impairment. Also listed impaired in 2004 IR based on CBP-BIBI probabilistic estuarine benthic assessment (VERSAR 9/30/2005). This segment was previously included (2004 IR) in TMDL ID: VAT-G11E-01. The TMDL due date is carried from the previous 2004 IR impairment identification date.

Sources: Source Unknown

VAT-G11E_JMS01B06 — **James River - Upstream of Skiffes Creek** — ISLE OF WIGHT CO, NEWPORT NEWS CITY

Mainstem along north shore upstream of Skiffes Creek. Portion of CBP segment JMSMH. DSS (ADMINISTRATIVE) shellfish direct harvesting condemnations # 059-067 A.

VA Overall AU Category: **5A**

Use	Impairment	0.40 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Estuarine Bioassessments**		76106	**2006**	**2016**	The Aquatic Life Use is impaired based on failure to meet a statistical evaluation constituting an un-impacted benthic organism population per CBP (Benthic-BIBI) analysis (VERSAR-2005). The source/stressor tool yielded an unknown source for the impairment. Also listed impaired in 2004 IR based on CBP-BIBI probabilistic estuarine benthic assessment (VERSAR 9/30/2005). This segment was previously included (2004 IR) in TMDL ID: VAT-G11E-01. The TMDL due date is carried from the previous 2004 IR impairment identification date.

Sources: Source Unknown

VAT-G11E_JMS02A06 — **James River - Blunt Point to Hilton Village** — ISLE OF WIGHT CO, NEWPORT NEWS CITY

Mainstem from line between Blunt Point (Newport News)/Rescue (Isle of Wight) downstream to line Hilton Village (Newport News)/Kings Creek (Isle of Wight). Portion of CBP segment JMSMH. DSS (OPEN) shellfish direct harvesting condemnation # 057-069 I.

VA Overall AU Category: **5A**

Use	Impairment	13.65 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Estuarine Bioassessments**		76106	**2006**	**2016**	The Aquatic Life Use is impaired based on failure to meet a statistical evaluation constituting an un-impacted benthic organism population per CBP (Benthic-BIBI) analysis (VERSAR-2005). The source/stressor tool yielded an unknown source for the impairment. Also listed impaired in 2004 IR based on CBP-BIBI probabilistic estuarine benthic assessment (VERSAR 9/30/2005). This segment was previously included (2004 IR) in TMDL ID: VAT-G11E-01. The TMDL due date is carried from the previous 2004 IR impairment identification date.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River**

TMDL Group ID: **76106**

VAT-G11E_JMS03A06 — **James River - Along Lower North Shore** — ISLE OF WIGHT CO, NEWPORT NEWS CITY

Mainstem along north shore, from Jail Point (Mulberry Isl) downstream to line following Rt. 664. Portion of CBP segment JMSMH. DSS (ADMINISTRATIVE) shellfish direct harvesting condemnations # 058-034 A&B & portion 057-007 A&B.

VA Overall AU Category: **5A**

Use	Impairment	3.98 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Estuarine Bioassessments**		76106	**2006**	**2010**	The Aquatic Life Use is impaired based on failure to meet a statistical evaluation constituting an un-impacted benthic organism population per CBP (Benthic-BIBI) analysis (VERSAR-2005). The source/stressor tool yielded an unknown source for the impairment. This segment was previously included (2004 IR) in TMDL ID: VAT-G11E-01. The TMDL due date is carried from the previous 2004 IR impairment identification date.

Sources: Source Unknown

VAT-G11E_JMS03B06 — **James R.- Hilton Beach Area** — NEWPORT NEWS CITY

Mainstem along north shore north shoreline beach in Hilton Village area. Portion of CBP segment JMSMH. DSS (ADMINISTRATIVE) shellfish direct harvesting condemnations # 058-034 A.

VA Overall AU Category: **5A**

Use	Impairment	0.11 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Estuarine Bioassessments**		76106	**2006**	**2016**	The Aquatic Life Use is impaired based on failure to meet a statistical evaluation constituting an un-impacted benthic organism population per CBP (Benthic-BIBI) analysis (VERSAR-2005). The source/stressor tool yielded an unknown source for the impairment

Sources: Source Unknown

VAT-G11E_JMS03C06 — **James R.- Huntington Beach Area** — NEWPORT NEWS CITY

Mainstem along the north shore of the James R., adjacent to James R. Bridge. Huntington bathing beach area. Portion of CBP segment JMSMH. DSS (ADMINISTRATIVE) shellfish direct harvesting condemnations # 058-034 A.

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Estuarine Bioassessments**		76106	**2006**	**2016**	The Aquatic Life Use is impaired based on failure to meet a statistical evaluation constituting an un-impacted benthic organism population per CBP (Benthic-BIBI) analysis (VERSAR-2005). The source/stressor tool yielded an unknown source for the impairment

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River**

TMDL Group ID: **76106**

VAT-G11E_JMS04A06 — **James River - Hilton Village to Rt. 664 crossing** — ISLE OF WIGHT CO, NEWPORT NEWS CITY

Mainstem from a line between Hilton Village (Newport News)/Kings Creek (Isle of Wight) downstream to a line following the Rt. 664 crossing. Portion of CBP segment JMSMH. DSS (OPEN) shellfish direct harvesting condemnation # 057-069 I.

VA Overall AU Category: **5A**

Use	Impairment	28.44 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Estuarine Bioassessments**		76106	**2006**	**2016**	The Aquatic Life Use is impaired based on failure to meet a statistical evaluation constituting an un-impacted benthic organism population per CBP (Benthic-BIBI) analysis (VERSAR-2005). The source/stressor tool yielded an unknown source for the impairment. Also listed impaired in 2004 IR based on CBP-BIBI probabilistic estuarine benthic assessment (VERSAR 9/30/2005). This segment was previously included (2004 IR) in TMDL ID: VAT-G11E-01. The TMDL due date is carried from the previous 2004 IR impairment identification date.

Sources: Source Unknown

VAT-G11E_JMS05A06 — **James River - Newport News Point to NW Corner Craney Isl.** — ISLE OF WIGHT CO, NEWPORT NEWS CITY

Mainstem from a line following the Rt. 664 crossing downstream to line between Lincoln Park/NW corner Craney Island. Portion of CBP segment JMSMH. DSS (ADMINISTRATIVE) shellfish direct harvesting condemnations # 058-034 A&B & portion 057-007 A&B.

VA Overall AU Category: **5A**

Use	Impairment	3.40 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Estuarine Bioassessments**		76106	**2006**	**2010**	The Aquatic Life Use is impaired based on failure to meet a statistical evaluation constituting an un-impacted benthic organism population per CBP (Benthic-BIBI) analysis (VERSAR-2005). The source/stressor tool yielded an unknown source for the impairment. This segment was previously included (2004 IR) in TMDL ID: VAT-G11E-01. The TMDL due date is carried from the previous 2004 IR impairment identification date.

Sources: Source Unknown

TMDL Watershed Name: **James River - Huntington Beach Area**

TMDL Group ID: **76032**

VAT-G11E_JMS03C06 — **James R.- Huntington Beach Area** — NEWPORT NEWS CITY

Mainstem along the north shore of the James R., adjacent to James R. Bridge. Huntington bathing beach area. Portion of CBP segment JMSMH. DSS (ADMINISTRATIVE) shellfish direct harvesting condemnations # 058-034 A.

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Enterococcus**		76032	**2006**	**2018**	The Recreation Use is impaired based on Enterococcus bacteria (8 violates / 9 observations) data from the VDH Beach Monitoring Program (VDH (Beach) monitoring station @ VA747813) and joint VDH-DEQ assessment review.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River - Anderson Park Beach Area**

TMDL Group ID: **76043**

VAT-G15E_JMS01C06	James River - Anderson Park Beach Area	NEWPORT NEWS CITY	Located along the western shore portion of Hampton Roads Harbor. Portion of CBP segment JMSPH. DSS (ADMINISTRATIVE) shellfish direct harvesting condemnation # 057-007 A.

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Enterococcus**		76043	**2006**	**2018**	The Recreation Use is impaired based on Enterococcus bacteria data (3 violates / 6 obs.) from the VDH Beach Monitoring Program and joint VDH-DEQ assessment review.

Sources: Source Unknown

TMDL Watershed Name: **James River - Hilton Beach Area**

TMDL Group ID: **76031**

VAT-G11E_JMS03B06	James R.- Hilton Beach Area	NEWPORT NEWS CITY	Mainstem along north shore north shoreline beach in Hilton Village area. Portion of CBP segment JMSMH. DSS (ADMINISTRATIVE) shellfish direct harvesting condemnations # 058-034 A.

VA Overall AU Category: **5A**

Use	Impairment	0.11 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Enterococcus**		76031	**2006**	**2018**	The Recreation Use is impaired based on Enterococcus bacteria data (6 violates / 9 observations) from the VDH Beach Monitoring Program (VDH (Beach) monitoring station @ VA747818) and joint VDH-DEQ assessment review.

Sources: Source Unknown

TMDL Watershed Name: **James River - King/Lincoln Park Beach Area**

TMDL Group ID: **76042**

VAT-G15E_JMS01B06	James River - King/Lincoln Park Beach Area	NEWPORT NEWS CITY	Located along the western shore portion of Hampton Roads Harbor. Portion of CBP segment JMSPH. DSS (ADMINISTRATIVE) shellfish direct harvesting condemnation # 057-007 A.

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Enterococcus**		76042	**2006**	**2018**	The Recreation Use is impaired based on Enterococcus bacteria data (3 violates / 6 obs.) from the VDH Beach Monitoring Program and joint VDH-DEQ assessment review.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River (Dry Ditch), Unnamed Tributary**

TMDL Group ID: **01134**

VAP-G01R_JMS01B04	UT (dry ditch) to James River	CHESTERFIELD CO	Headwaters to mouth at James River Richmond National Battlefield Park

VA Overall AU Category: **5A**

Use	Impairment	0.35 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01134	**2004**	**2016**	VAP-G01R-09 The ditch is considered impaired of the Aquatic Life use due to monitoring by the USGS: DO 2/4, pH 2/4 at 0203853010 DO 2/4, pH 2/4 at 0203853030

Sources: Source Unknown

TMDL Group ID: **01135**

VAP-G01R_JMS01B04	UT (dry ditch) to James River	CHESTERFIELD CO	Headwaters to mouth at James River Richmond National Battlefield Park

VA Overall AU Category: **5A**

Use	Impairment	0.35 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		01135	**2004**	**2016**	VAP-G01R-09 The ditch is considered impaired of the Aquatic Life use due to monitoring by the USGS: DO 2/4, pH 2/4 at 0203853010 DO 2/4, pH 2/4 at 0203853030

Sources: Source Unknown

TMDL Watershed Name: **James River (Upper)**

TMDL Group ID: **50259**

VAW-H01R_JMS04A00	James River Upper	ROCKBRIDGE CO	James River mainstem from the Balcony Falls Dam downstream to the mouth of Hunting Creek.

VA Overall AU Category: **5A**

Use	Impairment	9.22 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		50259	**2006**	**2018**	

Sources: Livestock (Grazing or Feeding Operations)
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)
Unspecified Domestic Waste
Wastes from Pets
Wildlife Other than Waterfowl

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River and Johnson Creek**

TMDL Group ID: **01144**

VAP-G04E_JMS02A02 **James River** CHARLES CITY CO, SURRY CO

The James River from the tidal freshwater/oligohaline boundary at river mile 52.08 to the limit of the watershed at river mile 48.40.

JMSOH

VA Overall AU Category: **5A**

Use	Impairment	9.20 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Chloride**		01144	**2004**	**2016**	VAP-G04E-01 In the 2004 cycle, the James River from Brandon Point downstream to the Chickahominy River confluence was assessed as impaired of the Aquatic Life Use and Wildlife Uses due to chloride violations (see 2004 fact sheet VAP-G03E-02.) The chloride TMDL is due in 2016. In the 2006 cycle, the segment remained impaired.
		Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed				
Wildlife	**Chloride**		01144	**2004**	**2016**	VAP-G04E-01 In the 2004 cycle, the James River from Brandon Point downstream to the Chickahominy River confluence was assessed as impaired of the Aquatic Life Use and Wildlife Uses due to chloride violations (see 2004 fact sheet VAP-G03E-02.) The chloride TMDL is due in 2016. In the 2006 cycle, the segment remained impaired.
		Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed				

VAP-G04E_JMS03A04 **James River** CHARLES CITY CO, SURRY CO

Brandon Point to the tidal freshwater/oligohaline boundary at approximately river mile 52.08.

JMSTFI

VA Overall AU Category: **5A**

Use	Impairment	4.71 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Chloride**		01144	**2004**	**2016**	VAP-G04E-01 In the 2004 cycle, the James River from Brandon Point downstream to the Chickahominy River confluence was assessed as impaired of the Aquatic Life Use and Wildlife Uses due to chloride violations (see 2004 fact sheet VAP-G03E-02.) The chloride TMDL is due in 2016. In the 2006 cycle, the segment remained impaired.
		Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed				
Wildlife	**Chloride**		01144	**2004**	**2016**	VAP-G04E-01 In the 2004 cycle, the James River from Brandon Point downstream to the Chickahominy River confluence was assessed as impaired of the Aquatic Life Use and Wildlife Uses due to chloride violations (see 2004 fact sheet VAP-G03E-02.) The chloride TMDL is due in 2016. In the 2006 cycle, the segment remained impaired.
		Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed				

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River and Tributaries**

TMDL Group ID: **76069**

VAT-G10E_JMS01A06 — **James River Mainstem - Chickahominy R. to Hog Point** — ISLE OF WIGHT CO, SURRY CO

From confluence with Chickahominy R. coincident with watershed line downstream to line between Carter Grove and downstream of Walnut Point. Portion of CBP segment JMSOH.DSS (ADMINISTRATIVE) shellfish harvesting condemnations # 060-069 B & 059-067 B.

VA Overall AU Category: **5A**

Use	Impairment	43.43 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		76069	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-G10E_JMS02A06 — **James River - Hog Point (Open Shellfish Area)** — ISLE OF WIGHT CO, SURRY CO

Triangular area in mainstem around Walnut Point. Portion of CBP segment JMSOH. DSS (OPEN) shellfish direct harvesting condemnation # 057-069 I.

VA Overall AU Category: **5A**

Use	Impairment	3.53 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		76069	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-G11E_CKT01A04 — **Chuckatuck & Brewers Creeks** — ISLE OF WIGHT CO, SUFFOLK CITY

South shore trib to James R., confluence upstream of Nansemond R. Drains Chuckatuck and Benns Church areas. From headwaters to mouths, including tribs. Portion of CBP segment JMSMH. DSS shellfish direct harvesting condemnation # 062- 080 B.

VA Overall AU Category: **5A**

Use	Impairment	1.44 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		76069	**2006**	**2016**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04. This segment was previously identified (2004 IR) as a site-specific impairment for PCBs in fish tissue concentrations under TMDL ID VAT-G11E-07, this previous impairment TMDL due date is carried forward for this AU, rather than base the TMDL due date on the issuance date of the VDH PCB advisory.

Sources: Source Unknown

VAT-G11E_CYP01A06 — **Cypress Creek** — ISLE OF WIGHT CO

South shore tributary to Pagan R, confluence near Smithfield. From end of tidal waters downstream to mouth. Portion of CBP segment JMSMH. DSS shellfish direct harvesting condemnation # 061-064 A.

VA Overall AU Category: **5A**

Use	Impairment	0.26 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		76069	**2006**	**2016**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04. This segment was previously identified (2004 IR) as a site-specific impairment for PCBs in fish tissue concentrations under TMDL ID VAT-G11E-07, this previous impairment TMDL due date is carried forward for this AU, rather than base the TMDL due date on the issuance date of the VDH PCB advisory.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River and Tributaries**

TMDL Group ID: **76069**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAT-G11E_JMS01A06	**James River - Hog Point to Blunt Point**	ISLE OF WIGHT CO NEWPORT NEWS CITY	Mainstem from Hog Point downstream to a line between Blunt Point (Newport News)/Rescue (Isle of Wight). Portion of CBP segment JMSMH. DSS (OPEN) shellfish direct harvesting condemnation # 057-069 I.

VA Overall AU Category: **5A**

Use	Impairment	48.28 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		76069	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAT-G11E_JMS01B06	**James River - Upstream of Skiffes Creek**	ISLE OF WIGHT CO NEWPORT NEWS CITY	Mainstem along north shore upstream of Skiffes Creek. Portion of CBP segment JMSMH. DSS (ADMINISTRATIVE) shellfish direct harvesting condemnations # 059-067 A.

VA Overall AU Category: **5A**

Use	Impairment	0.40 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		76069	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAT-G11E_JMS03A06	**James River - Along Lower North Shore**	ISLE OF WIGHT CO NEWPORT NEWS CITY	Mainstem along north shore, from Jail Point (Mulberry Isl) downstream to line following Rt. 664. Portion of CBP segment JMSMH. DSS (ADMINISTRATIVE) shellfish direct harvesting condemnations # 058-034 A&B & portion 057-007 A&B.

VA Overall AU Category: **5A**

Use	Impairment	3.98 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		76069	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAT-G11E_JMS03B06	**James R.- Hilton Beach Area**	NEWPORT NEWS CITY	Mainstem along north shore north shoreline beach in Hilton Village area. Portion of CBP segment JMSMH. DSS (ADMINISTRATIVE) shellfish direct harvesting condemnations # 058-034 A.

VA Overall AU Category: **5A**

Use	Impairment	0.11 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		76069	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River and Tributaries**

TMDL Group ID: **76069**

VAT-G11E_JMS03C06 — **James R.- Huntington Beach Area** — NEWPORT NEWS CITY

Mainstem along the north shore of the James R., adjacent to James R. Bridge. Huntington bathing beach area. Portion of CBP segment JMSMH. DSS (ADMINISTRATIVE) shellfish direct harvesting condemnations # 058-034 A.

VA Overall AU Category: **5A**

Use	Impairment	Impairment	SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**			76069	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-G11E_JMS04A06 — **James River - Hilton Village to Rt. 664 crossing** — ISLE OF WIGHT CO, NEWPORT NEWS CITY

Mainstem from a line between Hilton Village (Newport News)/Kings Creek (Isle of Wight) downstream to a line following the Rt. 664 crossing. Portion of CBP segment JMSMH. DSS (OPEN) shellfish direct harvesting condemnation # 057-069 I.

VA Overall AU Category: **5A**

Use	Impairment	Impairment	SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**			76069	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-G11E_JMS05A06 — **James River - Newport News Point to NW Corner Craney Isl.** — ISLE OF WIGHT CO, NEWPORT NEWS CITY

Mainstem from a line following the Rt. 664 crossing downstream to line between Lincoln Park/NW corner Craney Island. Portion of CBP segment JMSMH. DSS (ADMINISTRATIVE) shellfish direct harvesting condemnations # 058-034 A&B & portion 057-007 A&B.

VA Overall AU Category: **5A**

Use	Impairment	Impairment	SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**			76069	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-G11E_PGN01A06 — **Pagan River - Upstream of Mouth** — ISLE OF WIGHT CO

Located in Smithfield area. South shore tributary to James R. From end of tide downstream to narrowing north of Battery Park. Portion of CBP segment JMSMH. DSS shellfish direct harvesting condemnation # 061-064 A.

VA Overall AU Category: **5A**

Use	Impairment	Impairment	SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**			76069	**2006**	**2016**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04. This segment was previously identified (2004 IR) as a site-specific impairment for PCBs in fish tissue concentrations under TMDL ID VAT-G11E-05, this previous impairment TMDL due date is carried forward for this AU, rather than base the TMDL due date on the issuance date of the VDH PCB advisory.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River and Tributaries**

TMDL Group ID: **76069**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAT-G11E_PGN02A06	**Pagan River - Mouth Area**	ISLE OF WIGHT CO	Located in Smithfield area. South shore tributary to James R. From narrowing north of Battery Park downstream to mouth. Portion of CBP segment JMSMH. DSS shellfish direct harvesting condemnation # 061-064 A.

VA Overall AU Category: **5A**

Use	Impairment	1.00 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		76069	**2006**	**2016**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04. This segment was previously identified (2004 IR) as a site-specific impairment for PCBs in fish tissue concentrations under TMDL ID VAT-G11E-05, this previous impairment TMDL due date is carried forward for this AU, rather than base the TMDL due date on the issuance date of the VDH PCB advisory.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAT-G13E_NAN01A00	**Nansemond River - Upper**	SUFFOLK CITY	Upper Nansemond River. Extends from most upstream point in river at Lake Meade Dam (RM 19.8) downstream to Rt. 58/460 crossing (RM 15.2). Portion of CBP segment JMSMH. Portion of DSS shellfish condemnation # 063-008.

VA Overall AU Category: **5A**

Use	Impairment	0.26 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		76069	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAT-G13E_NAN02A06	**Nansemond River - Upper Middle**	SUFFOLK CITY	Downstream of Suffolk. From Rt 58/460 (RM 15.1) crossing downstream to confluence with the Western Branch from the Reservoir (RM 11.9). Portion of the CBP segment JMSMH. Portion of DSS shellfish condemnation # 063-008.

VA Overall AU Category: **5A**

Use	Impairment	0.21 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		76069	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAT-G13E_NAN03A06	**Nansemond River - Lower Middle**	SUFFOLK CITY	In area of Western Branch Reservoir. From confluence with Western Br. (RM 11.8) downstream to a line from Sleepy Hole Pt to Lobo on west shore (0.8 mi. downstream Rt 125, RM 7.5). CBP segment JMSMH. Portion of DSS shellfish condemnation # 063-008.

VA Overall AU Category: **5A**

Use	Impairment	1.96 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		76069	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River and Tributaries**

TMDL Group ID: **76069**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAT-G13E_NAN04A00	Nansemond River - Lower	SUFFOLK CITY	Nansemond R nearer mouth. from a line from Sleepy Hole Pt on east shore to Lobo on west (0.8 mi. downstream of Rt 125, RM 7.5) downstream to mouth. CBP segment JMSMH. Portion of DSS (OPEN) shellfish direct harvesting condemnations # 063- 008 & 057-069 F.

VA Overall AU Category: 5A

Use	Impairment	7.66 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	PCB in Fish Tissue		76069	2006	2018	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAT-G15E_ELI01A06	Elizabeth River Mainstem - Upper	NORFOLK CITY PORTSMOUTH CITY	From headwaters (RM 8.0) at confluence Southern and Eastern Branches downstream to a line between Hospital Point and Smiths Creek. Portion of CBP segment ELIPH. Portion of the DSS (ADMINISTRATIVE) shellfish direct harvesting condemnation # 065-007 E.

VA Overall AU Category: 5A

Use	Impairment	0.40 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	PCB in Fish Tissue		76069	2006	2018	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAT-G15E_ELI02A06	Elizabeth River Mainstem - Lower	NORFOLK CITY PORTSMOUTH CITY	From a line between Hospital Pt and Smiths Cr down stream to mouth (line from northeast corner of Craney Isl. towards Gate 2 at Naval Sta.). Portion of CBP segment ELIPH. Portion of the DSS (ADMINISTRATIVE) shellfish harvesting condemnation # 065-007 E.

VA Overall AU Category: 5A

Use	Impairment	7.18 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	PCB in Fish Tissue		76069	2006	2018	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAT-G15E_HAI01A06	Hampton River	HAMPTON CITY	North shore trib to Hampton Roads near the end of Queen St. Portion of CBP segment JMSPH. DSS (ADMINISTRATIVE) shellfish direct harvesting condemnation # 057-007 A.

VA Overall AU Category: 5A

Use	Impairment	0.55 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	PCB in Fish Tissue		76069	2006	2018	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River and Tributaries**

TMDL Group ID: **76069**

VAT-G15E_HAI02A06 — **Mill Point Creek - Beach Area** — HAMPTON CITY

Located along the Hampton River near the end of Queen St. Portion of CBP segment JMSPH. DSS (ADMINISTRATIVE) shellfish direct harvesting condemnation # 057-007 A.

VA Overall AU Category: **5A**

Use	Impairment	0.00 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		76069	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-G15E_JMS01A00 — **James River at Hampton Roads Harbor** — HAMPTON CITY, PORTSMOUTH CITY

From a line between Lincoln Park and the NW corner of Craney Isl. downstream to mouth at Hampton Roads Tunnel. Portion of CBP segment JMSPH. DSS (ADMINISTRATIVE) shellfish direct harvesting condemnation # 057-007 A.

VA Overall AU Category: **5A**

Use	Impairment	24.33 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		76069	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-G15E_JMS01B06 — **James River - King/Lincoln Park Beach Area** — NEWPORT NEWS CITY

Located along the western shore portion of Hampton Roads Harbor. Portion of CBP segment JMSPH. DSS (ADMINISTRATIVE) shellfish direct harvesting condemnation # 057-007 A.

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		76069	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-G15E_JMS01C06 — **James River - Anderson Park Beach Area** — NEWPORT NEWS CITY

Located along the western shore portion of Hampton Roads Harbor. Portion of CBP segment JMSPH. DSS (ADMINISTRATIVE) shellfish direct harvesting condemnation # 057-007 A.

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		76069	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River and Tributaries**

TMDL Group ID: **76069**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAT-G15E_SBE01A00	**Southern Branch, Elizabeth R. - Upper**	CHESAPEAKE CITY	Located south of I-64 crossing. From headwaters @ Great Bridge Locks (RM 9.0) downstream to I-64 crossing @ Deep Cr. Confluence (RM 6.86).. Portion of CBP segment SBEMH. DSS (ADMINISTRATIVE) shellfish direct harvesting condemnation # 065-007 E.

VA Overall AU Category: **5A**

Use	Impairment	0.62 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		76069	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04. Observed Effects exhibited due to the VDH (issued 1988) caution to limit consumption of fish on a daily basis due to the potential for Kepone fish tissue contamination, reported in historical fish monitoring data with the potential for presence in the sediments of the James River.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAT-G15E_SBE02A06	**Southern Branch, Elizabeth R. - Middle**	CHESAPEAKE CITY PORTSMOUTH CITY	North of I-64 crossing and south of Scuffletown Cr. From I-64 crossing @ Deep Cr. confluence (RM 6.86) downstream to the Jordan Bridge (RM 2.30). Portion of CBP segment SBEMH. DSS (ADMINISTRATIVE) shellfish direct harvesting condemnation # 065-007 E.

VA Overall AU Category: **5A**

Use	Impairment	1.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		76069	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04. Observed Effects exhibited due to the VDH (issued 1988) caution to limit consumption of fish on a daily basis due to the potential for Kepone fish tissue contamination, reported in historical fish monitoring data with the potential for presence in the sediments of the James River.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAT-G15E_SBE03A06	**Southern Branch, Elizabeth R. - Lower**	CHESAPEAKE CITY PORTSMOUTH CITY	North of the Jordan Bridge. From the Jordan Bridge, Rt. 337 (RM 2.30) downstream to the mouth, confluence with the mainstem Elizabeth River. Portion of CBP segment SBEMH. DSS (ADMINISTRATIVE) shellfish direct harvesting condemnation # 065-007 E.

VA Overall AU Category: **5A**

Use	Impairment	0.59 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		76069	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04. Observed Effects exhibited due to the VDH (issued 1988) caution to limit consumption of fish on a daily basis due to the potential for Kepone fish tissue contamination, reported in historical fish monitoring data with the potential for presence in the sediments of the James River.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River and Tributaries**

TMDL Group ID: **76069**

VAT-G15E_WLY01A06	Willoughby Bay	NORFOLK CITY	Located adjacent to mouth of James River at Hampton Roads, southeast of Hampton Roads Bridge Tunnel. Portion of CBP segment JMSPH. DSS (ADMINISTRATIVE) shellfish direct harvesting condemnation # 057-007 A.

VA Overall AU Category: **5A**

Use	Impairment	2.48 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		76069	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-G15E_WLY03A06	Willoughby Bay - Beach Area	NORFOLK CITY	Located along the northern shore portion of Willoughby Bay along Willoughby Spit. Portion of CBP segment JMSPH. DSS (ADMINISTRATIVE) shellfish direct harvesting condemnation # 057-007 A.

VA Overall AU Category: **5A**

Use	Impairment	0.15 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		76069	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River Embayments**

TMDL Group ID: **76086**

VAT-G10E_CLG01A06	College Creek - Lower	JAMES CITY CO WILLIAMSBURG CITY	Located west of Kingsmill area, James City Co. From convergence of two upstream branches (approx. RM 1.0) downstream to mouth. Portion of CBP segment JMSOH. DSS (ADMINISTRATIVE) shellfish direct harvesting condemnation # 060-069 B [effective .

VA Overall AU Category: **5A**

Use	Impairment	0.15 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76086	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76086	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
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Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River Embayments**

TMDL Group ID: **76086**

VAT-G10E_JMS01A06	James River Mainstem - Chickahominy R. to Hog Point	ISLE OF WIGHT CO SURRY CO	From confluence with Chickahominy R. coincident with watershed line downstream to line between Carter Grove and downstream of Walnut Point. Portion of CBP segment JMSOH.DSS (ADMINISTRATIVE) shellfish harvesting condemnations # 060-069 B & 059-067 B.

VA Overall AU Category: **5A**

Use	Impairment	43.43 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76086	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76086	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
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- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River Embayments**

TMDL Group ID: **76086**

VAT-G10E_JMS02A06	James River - Hog Point (Open Shellfish Area)	ISLE OF WIGHT CO SURRY CO	Triangular area in mainstem around Walnut Point. Portion of CBP segment JMSOH. DSS (OPEN) shellfish direct harvesting condemnation # 057-069 I.

VA Overall AU Category: **5A**

Use	Impairment	3.53 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76086	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76086	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
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Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River Embayments**

TMDL Group ID: **76086**

VAT-G10E_MIC01A00	Mill Creek	JAMES CITY CO	North of Jamestown Island area, tributary to the Thorofare embayment. From end of tidal waters downstream to the mouth. Portion of CBP segment JMSOH.Portion of DSS (ADMINISTRATIVE) shellfish direct harvesting condemnation # 060-069 B.

VA Overall AU Category: **5A**

Use	Impairment	0.08 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76086	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76086	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River Embayments**

TMDL Group ID: **76086**

VAT-G10E_POW01A02	Powhatan Creek/Sandy Bay	JAMES CITY CO	West of Jamestown Island, north shore tributary to the James R. From end of tidal waters downstream to the mouth of Sandy Bay. Portion of CBP segment JMSOH.Portion of DSS (ADMINISTRATIVE) shellfish direct harvesting condemnation # 060-069 B.

VA Overall AU Category: **5A**

Use	Impairment	0.20 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76086	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76086	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River Embayments**

TMDL Group ID: **76086**

VAT-G10E_ZZZ01A00	Unsegmented estuaries in G10E	JAMES CITY CO SURRY CO	Unsegmented estuaries in G10E where Shellfish Use not-assessed due to DSS non-productive area designation. Portion of CBP segment JMSOH.

VA Overall AU Category: **5A**

Use	Impairment	1.58 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76086	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76086	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River Embayments**

TMDL Group ID: **76086**

VAT-G10E_ZZZ02A00	Unsegmented estuaries - Gravel Neck Area	JAMES CITY CO SURRY CO	Unsegmented estuaries in G10E where DSS (OPEN) shellfish direct harvesting condemnation # 057-069I. Portion of CBP segment JMSOH.

VA Overall AU Category: **5A**

Use	Impairment	0.20 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76086	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76086	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
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Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River Embayments**

TMDL Group ID: **76087**

VAT-G10E_CLG01A06	College Creek - Lower	JAMES CITY CO WILLIAMSBURG CITY	Located west of Kingsmill area, James City Co. From convergence of two upstream branches (approx. RM 1.0) downstream to mouth. Portion of CBP segment JMSOH. DSS (ADMINISTRATIVE) shellfish direct harvesting condemnation # 060-069 B [effective .

VA Overall AU Category: **5A**

Use	Impairment	0.15 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		76087	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Non-Point Source)
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		76087	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Non-Point Source)
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Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River Embayments**

TMDL Group ID: **76087**

VAT-G10E_JMS01A06	James River Mainstem - Chickahominy R. to Hog Point	ISLE OF WIGHT CO SURRY CO	From confluence with Chickahominy R. coincident with watershed line downstream to line between Carter Grove and downstream of Walnut Point. Portion of CBP segment JMSOH.DSS (ADMINISTRATIVE) shellfish harvesting condemnations # 060-069 B & 059-067 B.

VA Overall AU Category: **5A**

Use	Impairment	43.43 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		76087	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		76087	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
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Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River Embayments**

TMDL Group ID: **76087**

VAT-G10E_JMS02A06	James River - Hog Point (Open Shellfish Area)	ISLE OF WIGHT CO SURRY CO	Triangular area in mainstem around Walnut Point. Portion of CBP segment JMSOH. DSS (OPEN) shellfish direct harvesting condemnation # 057-069 I.

VA Overall AU Category: **5A**

Use	Impairment	3.53 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		76087	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		76087	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
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Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River Embayments**

TMDL Group ID: **76087**

VAT-G10E_MIC01A00	Mill Creek	JAMES CITY CO	North of Jamestown Island area, tributary to the Thorofare embayment. From end of tidal waters downstream to the mouth. Portion of CBP segment JMSOH.Portion of DSS (ADMINISTRATIVE) shellfish direct harvesting condemnation # 060-069 B.

VA Overall AU Category: **5A**

Use	Impairment	0.08 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		76087	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
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- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		76087	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
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- Wet Weather Discharges (Non-Point Source)
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Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River Embayments**

TMDL Group ID: **76087**

VAT-G10E_POW01A02	Powhatan Creek/Sandy Bay	JAMES CITY CO	West of Jamestown Island, north shore tributary to the James R. From end of tidal waters downstream to the mouth of Sandy Bay. Portion of CBP segment JMSOH.Portion of DSS (ADMINISTRATIVE) shellfish direct harvesting condemnation # 060-069 B.

VA Overall AU Category: **5A**

Use	Impairment	0.20 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		76087	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
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- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		76087	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
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- Municipal Point Source Discharges
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Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River Embayments**

TMDL Group ID: **76087**

VAT-G10E_ZZZ01A00	Unsegmented estuaries in G10E	JAMES CITY CO SURRY CO	Unsegmented estuaries in G10E where Shellfish Use not-assessed due to DSS non-productive area designation. Portion of CBP segment JMSOH.

VA Overall AU Category: **5A**

Use	Impairment	1.58 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		76087	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		76087	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
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- Loss of Riparian Habitat
- Municipal Point Source Discharges
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Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River Embayments**

TMDL Group ID: **76087**

VAT-G10E_ZZZ02A00	Unsegmented estuaries - Gravel Neck Area	JAMES CITY CO SURRY CO	Unsegmented estuaries in G10E where DSS (OPEN) shellfish direct harvesting condemnation # 057-069I. Portion of CBP segment JMSOH.

VA Overall AU Category: **5A**

Use	Impairment	0.20 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		76087	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Non-Point Source)
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		76087	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Non-Point Source)
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River Mesohaline Embayments**

TMDL Group ID: **01769**

VAT-G11E_BAL01A06	Ballard Creek - Upper (Tributary to James River)	ISLE OF WIGHT CO	South shore tributary to James R., upstream of James R. Bridge. North of Ragged Isand area. From end of tidal waters downstream to end of DSS shellfish direct harvesting condemnation # 062- 164 A. Portion of CBP segment JMSMH.

VA Overall AU Category: **5A**

Use	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01769	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01769	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River Mesohaline Embayments**

TMDL Group ID: **01769**

VAT-G11E_CKT01A04	Chuckatuck & Brewers Creeks	ISLE OF WIGHT CO SUFFOLK CITY	South shore trib to James R., confluence upstream of Nansemond R. Drains Chuckatuck and Benns Church areas. From headwaters to mouths, including tribs. Portion of CBP segment JMSMH. DSS shellfish direct harvesting condemnation # 062- 080 B.

VA Overall AU Category: **5A**

Use	Impairment	1.44 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01769	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01769	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River Mesohaline Embayments**

TMDL Group ID: **01769**

VAT-G11E_CYP01A06	Cypress Creek	ISLE OF WIGHT CO	South shore tributary to Pagan R, confluence near Smithfield. From end of tidal waters downstream to mouth. Portion of CBP segment JMSMH. DSS shellfish direct harvesting condemnation # 061-064 A.

VA Overall AU Category: **5A**

Use	Impairment	0.26 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01769	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01769	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River Mesohaline Embayments**

TMDL Group ID: **01769**

VAT-G11E_DEP01A02	Deep Creek - Lower	NEWPORT NEWS CITY	Located in Menchville area. Tributary to Warwick R. to James R. From 0.5 mi. above DEQ station @ RM 0.76 downstream to mouth. Portion of CBP segment JMSMH. DSS (ADMINISTRATIVE) shellfish direct harvesting condemnation # 058-034 A.

VA Overall AU Category: **5A**

Use	Impairment	0.10 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01769	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01769	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River Mesohaline Embayments**

TMDL Group ID: **01769**

VAT-G11E_JMS01A06	James River - Hog Point to Blunt Point	ISLE OF WIGHT CO NEWPORT NEWS CITY	Mainstem from Hog Point downstream to a line between Blunt Point (Newport News)/Rescue (Isle of Wight). Portion of CBP segment JMSMH. DSS (OPEN) shellfish direct harvesting condemnation # 057-069 I.

VA Overall AU Category: **5A**

Use	Impairment (48.28 SQUARE MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	01769	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).
	Sources: Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Non-Point Source) Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)				
Open-Water Aquatic Life	**Oxygen, Dissolved**	01769	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).
	Sources: Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Non-Point Source) Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)				

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River Mesohaline Embayments**

TMDL Group ID: **01769**

VAT-G11E_JMS01B06	James River - Upstream of Skiffes Creek	ISLE OF WIGHT CO NEWPORT NEWS CITY	Mainstem along north shore upstream of Skiffes Creek. Portion of CBP segment JMSMH. DSS (ADMINISTRATIVE) shellfish direct harvesting condemnations # 059-067 A.

VA Overall AU Category: **5A**

Use	Impairment (0.40 SQUARE MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	01769	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).
	Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Non-Point Source) Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**	01769	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).
	Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Non-Point Source) Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River Mesohaline Embayments**

TMDL Group ID: **01769**

VAT-G11E_JMS02A06	James River - Blunt Point to Hilton Village	ISLE OF WIGHT CO NEWPORT NEWS CITY	Mainstem from line between Blunt Point (Newport News)/Rescue (Isle of Wight) downstream to line Hilton Village (Newport News)/Kings Creek (Isle of Wight). Portion of CBP segment JMSMH. DSS (OPEN) shellfish direct harvesting condemnation # 057-069 I.

VA Overall AU Category: **5A**

Use	Impairment	13.65 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01769	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01769	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River Mesohaline Embayments**

TMDL Group ID: **01769**

VAT-G11E_JMS03A06	James River - Along Lower North Shore	ISLE OF WIGHT CO NEWPORT NEWS CITY	Mainstem along north shore, from Jail Point (Mulberry Isl) downstream to line following Rt. 664. Portion of CBP segment JMSMH. DSS (ADMINISTRATIVE) shellfish direct harvesting condemnations # 058-034 A&B & portion 057-007 A&B.

VA Overall AU Category: **5A**

Use	Impairment	3.98 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01769	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**	01769	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River Mesohaline Embayments**

TMDL Group ID: **01769**

VAT-G11E_JMS03B06	James R.- Hilton Beach Area	NEWPORT NEWS CITY	Mainstem along north shore north shoreline beach in Hilton Village area. Portion of CBP segment JMSMH. DSS (ADMINISTRATIVE) shellfish direct harvesting condemnations # 058-034 A.

VA Overall AU Category: **5A**

Use	Impairment	0.11 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01769	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01769	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River Mesohaline Embayments**

TMDL Group ID: **01769**

VAT-G11E_JMS03C06	James R.- Huntington Beach Area	NEWPORT NEWS CITY	Mainstem along the north shore of the James R., adjacent to James R. Bridge. Huntington bathing beach area. Portion of CBP segment JMSMH. DSS (ADMINISTRATIVE) shellfish direct harvesting condemnations # 058-034 A.

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01769	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01769	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River Mesohaline Embayments**

TMDL Group ID: **01769**

VAT-G11E_JMS04A06	James River - Hilton Village to Rt. 664 crossing	ISLE OF WIGHT CO NEWPORT NEWS CITY	Mainstem from a line between Hilton Village (Newport News)/Kings Creek (Isle of Wight) downstream to a line following the Rt. 664 crossing. Portion of CBP segment JMSMH. DSS (OPEN) shellfish direct harvesting condemnation # 057-069 I.

VA Overall AU Category: **5A**

Use	Impairment	28.44 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01769	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**	01769	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River Mesohaline Embayments**

TMDL Group ID: **01769**

VAT-G11E_JMS05A06	James River - Newport News Point to NW Corner Craney Isl.	ISLE OF WIGHT CO NEWPORT NEWS CITY	Mainstem from a line following the Rt. 664 crossing downstream to line between Lincoln Park/NW corner Craney Island. Portion of CBP segment JMSMH. DSS (ADMINISTRATIVE) shellfish direct harvesting condemnations # 058-034 A&B & portion 057-007 A&B.

VA Overall AU Category: **5A**

Use	Impairment	3.40 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01769	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01769	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River Mesohaline Embayments**

TMDL Group ID: **01769**

VAT-G11E_JOG01A04	Jones Creek - Tributary to Pagan River	ISLE OF WIGHT CO SUFFOLK CITY	South shore trib. to Pagen R., near confluence with James R. Drains the Battery Park & Rescue areas. From headwaters to mouth, including tidal tributaries. Portion of CBP segment JMSMH. Portion of DSS shellfish direct harvesting condemnation # 061- 064 A.

VA Overall AU Category: **5A**

Use	Impairment	0.35 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01769	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Non-Point Source)
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01769	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Non-Point Source)
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River Mesohaline Embayments**

TMDL Group ID: **01769**

VAT-G11E_KIN01A06	Kings Creek - Upper (Tributary to James River)	ISLE OF WIGHT CO	South shore tributary to James R., upstream of James R. Bridge. North of Ragged Isand area. From end of tidal waters downstream to end of DSS shellfish direct harvesting condemnation # 062-164 B.Portion of CBP segment JMSMH.

VA Overall AU Category: **5A**

Use	Impairment	0.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01769	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01769	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River Mesohaline Embayments**

TMDL Group ID: **01769**

VAT-G11E_LAW01A00	Lawnes Creek (Tributary to James River)	ISLE OF WIGHT CO	South shore tributary to James R. near Hog Island WMA. Hog Isl. area, opposite Mulberry Point. From end of tidal waters downstream to mouth. Portion of CBP segment JMSMH. DSS shellfish direct harvesting condemnation # 060-206 A.

VA Overall AU Category: **5A**

Use	Impairment	0.29 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01769	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**	01769	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River Mesohaline Embayments**

TMDL Group ID: **01769**

VAT-G11E_MRS01A06	Morrisons Creek - Mulberry Island	NEWPORT NEWS CITY	North shore tributary to James R. on Mulberry Island. Downstream of Mulberry Point. From end of tidal waters downstream to mouth. Portion of CBP segment JMSMH. DSS (OPEN) shellfish direct harvesting condemnation # 058-183 [2004-06-07].

VA Overall AU Category: **5A**

Use	Impairment	0.14 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01769	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Non-Point Source)
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01769	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Non-Point Source)
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River Mesohaline Embayments**

TMDL Group ID: **01769**

VAT-G11E_PGN01A06	Pagan River - Upstream of Mouth	ISLE OF WIGHT CO	Located in Smithfield area. South shore tributary to James R. From end of tide downstream to narrowing north of Battery Park. Portion of CBP segment JMSMH. DSS shellfish direct harvesting condemnation # 061-064 A.

VA Overall AU Category: **5A**

Use	Impairment	1.00 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01769	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO). Previous site specific DO excursion below the previous minimum criteria is recorded (listed impaired in the 2004 IR as TMDL ID: VAT-G11E-05) as well as excursion below the minimum reported in data from the citizens monitoring @ 2PGN-32-ALL.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**	01769	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River Mesohaline Embayments**

TMDL Group ID: **01769**

VAT-G11E_PGN02A06	Pagan River - Mouth Area	ISLE OF WIGHT CO	Located in Smithfield area. South shore tributary to James R. From narrowing north of Battery Park downstream to mouth. Portion of CBP segment JMSMH. DSS shellfish direct harvesting condemnation # 061-064 A.

VA Overall AU Category: **5A**

Use	Impairment	1.00 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01769	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO). Site specific DO excursion below the previous minimum criteria (listed impaired in the 2004 IR as TMDL ID: VAT-G11E-05).

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Non-Point Source)
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01769	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Non-Point Source)
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River Mesohaline Embayments**

TMDL Group ID: **01769**

VAT-G11E_RIC01A06	Ragged Island Creek	ISLE OF WIGHT CO	North shore tributary to James R. on Mulberry Island. Downstream of Mulberry Point. From end of tidal waters downstream to mouth. Portion of CBP segment JMSMH. DSS (OPEN) shellfish direct harvesting condemnation # 062-080 [effective 2003-07-31].

VA Overall AU Category: **5A**

Use	Impairment	0.29 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01769	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO). Site specific DO exceedance below instantaneous minimum SV (4.0 mg/l) recorded (3 excursions / 23 obs.) at Citizen's monitoring station @ 2RIC-RIC-ALL.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Non-Point Source)
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01769	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Non-Point Source)
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River Mesohaline Embayments**

TMDL Group ID: **01769**

VAT-G11E_SFF01A04	Skiffes Creek System	JAMES CITY CO NEWPORT NEWS CITY	Located west of Lee Hall area, flows along the James City Co./ Newport News City boundary. Includes tidal tributaries. Portion of CBP segment JMSMH. DSS shellfish direct harvesting condemnation # 059-023.

VA Overall AU Category: **5A**

Use	Impairment (0.58 SQUARE MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	01769	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).
	Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Non-Point Source) Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**	01769	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).
	Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Non-Point Source) Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River Mesohaline Embayments**

TMDL Group ID: **01769**

VAT-G11E_TYB01A00	Tylers Beach Boat Basin	ISLE OF WIGHT CO	Located in the Bailey Beach area. Adjacent to the James River. Opposite Mulberry Island. NW corner of Burwell Bay. From end of tidal waters downstream to mouth. Portion of CBP segment JMSMH. DSS shellfish direct harvesting condemnation # 060-206 B.

VA Overall AU Category: **5A**

Use	Impairment	0.00 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01769	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01769	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River Mesohaline Embayments**

TMDL Group ID: **01769**

VAT-G11E_WWK01A06	Warwick River - Tidal Portion	NEWPORT NEWS CITY	Located in Menchville area. Tributary to James R. From end of tidal waters downstream to mouth. Portion of CBP segment JMSMH. DSS (ADMINISTRATIVE) shellfish direct harvesting condemnation # 058-034 A.

VA Overall AU Category: **5A**

Use	Impairment	1.32 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01769	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01769	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River Mesohaline Embayments**

TMDL Group ID: **01769**

VAT-G11E_ZZZ01A00	Unsegmented estuaries - Open Shellfish	ISLE OF WIGHT CO SURRY CO	Non-segmented small tributaries in the watershed. Portion of CBP segment JMSMH. DSS (OPEN) shellfish direct harvesting condemnation # 057-069 I.

VA Overall AU Category: **5A**

Use	Impairment	0.43 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01769	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01769	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River Mesohaline Embayments**

TMDL Group ID: **01769**

VAT-G11E_ZZZ02A00	**Unsegmented estuaries - Administrative DSS Condemnations**	NEWPORT NEWS CITY	Non-segmented small tributaries in the watershed. Portion of CBP segment JMSMH. DSS (ADMINISTRATIVE) shellfish direct harvesting condemnations # 058-034 A&B & portion 057-007 A&B.

VA Overall AU Category: **5A**

Use	Impairment	0.15 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01769	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01769	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River Mesohaline Embayments**

TMDL Group ID: **01769**

VAT-G13E_BEN01A04	Bennett Creek - Tributary to Nansemond R.	SUFFOLK CITY	Western shore trib. to Nansemond R., near confluence with James R. Drains the Bennett Harbor area. From headwaters to mouth, including tidal tributaries. Portion of CBP segment JMSMH. DSS shellfish direct harvesting condemnation # 063- 046.

VA Overall AU Category: **5A**

Use	Impairment	0.50 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01769	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Non-Point Source)
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01769	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Non-Point Source)
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River Mesohaline Embayments**

TMDL Group ID: **01769**

VAT-G13E_BHN01A00	Bleakhorn Creek - Tributary to Nansemond R.	SUFFOLK CITY	Western shore trib. to Nansemond R., near confluence with James R. Drains the Eclipse area near Crittenden. From headwaters to mouth, including tidal tributaries. Portion of CBP segment JMSMH. DSS shellfish direct harvesting condemnation # 063- 182.

VA Overall AU Category: **5A**

Use	Impairment	0.04 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01769	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**	01769	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River Mesohaline Embayments**

TMDL Group ID: **01769**

VAT-G13E_BML01A06	Burnetts Mill Creek - Tributary to Nansemond R.	SUFFOLK CITY	Eastern shore trib. to Nansemond R., south of the Nansemond area. Drains the Beamon area. From headwaters to mouth. Portion of CBP segment JMSMH. Portion of DSS shellfish direct harvesting condemnation # 063-008.

VA Overall AU Category: **5A**

Use	Impairment	0.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01769	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01769	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River Mesohaline Embayments**

TMDL Group ID: **01769**

VAT-G13E_KNC01A00	Knotts Creek - Tributary to Nansemond R.	SUFFOLK CITY	Eastern shore trib. to Nansemond R., near confluence with James R. Drains the Belleville and Huntersville areas. From headwaters to mouth, including tidal tributaries. Portion of CBP segment JMSMH. DSS shellfish direct harvesting condemnation # 063- 077.

VA Overall AU Category: **5A**

Use	Impairment	0.15 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01769	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01769	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River Mesohaline Embayments**

TMDL Group ID: **01769**

VAT-G13E_NAN01A00	Nansemond River - Upper	SUFFOLK CITY	Upper Nansemond River. Extends from most upstream point in river at Lake Meade Dam (RM 19.8) downstream to Rt. 58/460 crossing (RM 15.2). Portion of CBP segment JMSMH. Portion of DSS shellfish condemnation # 063-008.

VA Overall AU Category: **5A**

Use	Impairment	0.26 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01769	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO). This segment was previously identified as impaired for dissolved oxygen concentrations below the DEQ allowable minimum criteria (4.0 mg/l) as identified at DEQ (AQM) monitoring station @ 2-NAN019.14 under TMDL ID: VAT-G13E-03.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**	01769	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River Mesohaline Embayments**

TMDL Group ID: **01769**

VAT-G13E_NAN02A06	Nansemond River - Upper Middle	SUFFOLK CITY	Downstream of Suffolk. From Rt 58/460 (RM 15.1) crossing downstream to confluence with the Western Branch from the Reservoir (RM 11.9). Portion of the CBP segment JMSMH. Portion of DSS shellfish condemnation # 063-008.

VA Overall AU Category: **5A**

Use	Impairment	0.21 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01769	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**	01769	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River Mesohaline Embayments**

TMDL Group ID: **01769**

VAT-G13E_NAN03A06	Nansemond River - Lower Middle	SUFFOLK CITY	In area of Western Branch Reservoir. From confluence with Western Br. (RM 11.8) downstream to a line from Sleepy Hole Pt to Lobo on west shore (0.8 mi. downstream Rt 125, RM 7.5). CBP segment JMSMH. Portion of DSS shellfish condemnation # 063-008.

VA Overall AU Category: **5A**

Use	Impairment	1.96 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01769	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**	01769	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River Mesohaline Embayments**

TMDL Group ID: **01769**

VAT-G13E_NAN04A00	Nansemond River - Lower	SUFFOLK CITY	Nansemond R nearer mouth. from a line from Sleepy Hole Pt on east shore to Lobo on west (0.8 mi. downstream of Rt 125, RM 7.5) downstream to mouth. CBP segment JMSMH. Portion of DSS (OPEN) shellfish direct harvesting condemnations # 063- 008 & 057-069 F.

VA Overall AU Category: **5A**

Use	Impairment	7.66 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01769	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01769	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River Mesohaline Embayments**

TMDL Group ID: **01769**

VAT-G13E_OYS01A06	Oyster House Creek - Tributary to Nansemond R.	SUFFOLK CITY	Eastern shore trib. to Nansemond R., west of the Bailey town area. Drains the Beamon area. From headwaters to mouth, not including the Star Creek tributary. Portion of CBP segment JMSMH. Portion of DSS shellfish direct harvesting condemnation # 063- 008.

VA Overall AU Category: **5A**

Use	Impairment	0.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01769	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**	01769	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River Mesohaline Embayments**

TMDL Group ID: **01769**

VAT-G13E_SGL01A00	Shingle Creek - Tributary to Nansemond R.	SUFFOLK CITY	Northeast of Suffolk, near Rt 642. From end of tidal waters (0.2 mi uptream of Portsmouth Blvd downstream to Nansemond R. Headwaters connect to canals (Jericho Ditch) in Dismal Swamp. CBP segment JMSMH. Portion of DSS shellfish condemnation # 063-008.

VA Overall AU Category: **5A**

Use	Impairment	0.04 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01769	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Non-Point Source)
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**	01769	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Non-Point Source)
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River Mesohaline Embayments**

TMDL Group ID: **01769**

VAT-G13E_STR01A04	Star Creek - Tributary to Oyster House Cr.	SUFFOLK CITY	Eastern shore trib. to Oyster House Cr. Adjacent to the Naval Communication station at Driver. From headwaters to mouth. Portion of CBP segment JMSMH. Portion of DSS shellfish direct harvesting condemnation # 063- 008.

VA Overall AU Category: **5A**

Use	Impairment	1.00 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01769	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01769	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River Mesohaline Embayments**

TMDL Group ID: **01769**

VAT-G13E_WBN01A06	Western Branch - Nansemond River	SUFFOLK CITY	Western shore branch off the Nansemond R. South of the Reids Ferry area. Downstream of the Western Branch Reservoir, prior to reaching the Nansemond River. Portion of CBP segment JMSMH. Portion of DSS shellfish direct harvesting condemnation # 063- 008.

VA Overall AU Category: **5A**

Use	Impairment	0.11 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01769	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Non-Point Source)
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01769	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Non-Point Source)
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River Mesohaline Embayments**

TMDL Group ID: **01769**

VAT-G13E_ZZZ01A00	Unsegmented estuaries - no DSS condemnation in G13E	SUFFOLK CITY	Lower Nansemond River unsegmented tributaries without a DSS condemnation. Portion of CBP segment JMSMH. Portion of CBP segment JMSMH. Portion of DSS (OPEN) shellfish direct harvesting condemnations # 063- 008 & 057-069 F.

VA Overall AU Category: **5A**

Use	Impairment	0.19 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01769	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01769	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River Mesohaline Embayments**

TMDL Group ID: **01769**

VAT-G13E_ZZZ01B06	Unsegmented estuaries with DSS condemnation	SUFFOLK CITY	Upper Nansemond River unsegmented tributaries with a DSS condemnation. Portion of CBP segment JMSMH. Portion of CBP segment JMSMH. Portion of DSS shellfish direct harvesting condemnation # 063-008.

VA Overall AU Category: **5A**

Use	Impairment	0.06 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01769	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01769	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River Mesohaline Embayments**

TMDL Group ID: **76088**

VAT-G11E_BAL01A06	Ballard Creek - Upper (Tributary to James River)	ISLE OF WIGHT CO	South shore tributary to James R., upstream of James R. Bridge. North of Ragged Isand area. From end of tidal waters downstream to end of DSS shellfish direct harvesting condemnation # 062- 164 A. Portion of CBP segment JMSMH.

VA Overall AU Category: **5A**

Use	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76088	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76088	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River Mesohaline Embayments**

TMDL Group ID: **76088**

VAT-G11E_CKT01A04	Chuckatuck & Brewers Creeks	ISLE OF WIGHT CO SUFFOLK CITY	South shore trib to James R., confluence upstream of Nansemond R. Drains Chuckatuck and Benns Church areas. From headwaters to mouths, including tribs. Portion of CBP segment JMSMH. DSS shellfish direct harvesting condemnation # 062- 080 B.

VA Overall AU Category: **5A**

Use	Impairment	1.44 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76088	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76088	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River Mesohaline Embayments**

TMDL Group ID: **76088**

VAT-G11E_CYP01A06	Cypress Creek	ISLE OF WIGHT CO	South shore tributary to Pagan R, confluence near Smithfield. From end of tidal waters downstream to mouth. Portion of CBP segment JMSMH. DSS shellfish direct harvesting condemnation # 061-064 A.

VA Overall AU Category: **5A**

Use	Impairment	0.26 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76088	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76088	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River Mesohaline Embayments**

TMDL Group ID: **76088**

VAT-G11E_DEP01A02	Deep Creek - Lower	NEWPORT NEWS CITY	Located in Menchville area. Tributary to Warwick R. to James R. From 0.5 mi. above DEQ station @ RM 0.76 downstream to mouth. Portion of CBP segment JMSMH. DSS (ADMINISTRATIVE) shellfish direct harvesting condemnation # 058-034 A.

VA Overall AU Category: **5A**

Use	Impairment	0.10 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76088	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76088	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River Mesohaline Embayments**

TMDL Group ID: **76088**

VAT-G11E_JMS01A06	James River - Hog Point to Blunt Point	ISLE OF WIGHT CO NEWPORT NEWS CITY	Mainstem from Hog Point downstream to a line between Blunt Point (Newport News)/Rescue (Isle of Wight). Portion of CBP segment JMSMH. DSS (OPEN) shellfish direct harvesting condemnation # 057-069 I.

VA Overall AU Category: **5A**

Use	Impairment	48.28 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76088	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76088	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River Mesohaline Embayments**

TMDL Group ID: **76088**

VAT-G11E_JMS01B06	James River - Upstream of Skiffes Creek	ISLE OF WIGHT CO NEWPORT NEWS CITY	Mainstem along north shore upstream of Skiffes Creek. Portion of CBP segment JMSMH. DSS (ADMINISTRATIVE) shellfish direct harvesting condemnations # 059-067 A.

VA Overall AU Category: **5A**

Use	Impairment	0.40 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76088	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76088	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River Mesohaline Embayments**

TMDL Group ID: **76088**

VAT-G11E_JMS02A06	James River - Blunt Point to Hilton Village	ISLE OF WIGHT CO NEWPORT NEWS CITY	Mainstem from line between Blunt Point (Newport News)/Rescue (Isle of Wight) downstream to line Hilton Village (Newport News)/Kings Creek (Isle of Wight). Portion of CBP segment JMSMH. DSS (OPEN) shellfish direct harvesting condemnation # 057-069 I.

VA Overall AU Category: **5A**

Use	Impairment	13.65 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76088	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**	76088	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River Mesohaline Embayments**

TMDL Group ID: **76088**

VAT-G11E_JMS03A06	James River - Along Lower North Shore	ISLE OF WIGHT CO NEWPORT NEWS CITY	Mainstem along north shore, from Jail Point (Mulberry Isl) downstream to line following Rt. 664. Portion of CBP segment JMSMH. DSS (ADMINISTRATIVE) shellfish direct harvesting condemnations # 058-034 A&B & portion 057-007 A&B.

VA Overall AU Category: **5A**

Use	Impairment	3.98 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76088	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76088	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River Mesohaline Embayments**

TMDL Group ID: **76088**

VAT-G11E_JMS03B06	James R.- Hilton Beach Area	NEWPORT NEWS CITY	Mainstem along north shore north shoreline beach in Hilton Village area. Portion of CBP segment JMSMH. DSS (ADMINISTRATIVE) shellfish direct harvesting condemnations # 058-034 A.

VA Overall AU Category: **5A**

Use	Impairment	0.11 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76088	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76088	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River Mesohaline Embayments**

TMDL Group ID: **76088**

VAT-G11E_JMS03C06	James R.- Huntington Beach Area	NEWPORT NEWS CITY	Mainstem along the north shore of the James R., adjacent to James R. Bridge. Huntington bathing beach area. Portion of CBP segment JMSMH. DSS (ADMINISTRATIVE) shellfish direct harvesting condemnations # 058-034 A.

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76088	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76088	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River Mesohaline Embayments**

TMDL Group ID: **76088**

VAT-G11E_JMS04A06	James River - Hilton Village to Rt. 664 crossing	ISLE OF WIGHT CO NEWPORT NEWS CITY	Mainstem from a line between Hilton Village (Newport News)/Kings Creek (Isle of Wight) downstream to a line following the Rt. 664 crossing. Portion of CBP segment JMSMH. DSS (OPEN) shellfish direct harvesting condemnation # 057-069 I.

VA Overall AU Category: **5A**

Use	Impairment	28.44 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76088	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76088	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River Mesohaline Embayments**

TMDL Group ID: **76088**

VAT-G11E_JMS05A06	James River - Newport News Point to NW Corner Craney Isl.	ISLE OF WIGHT CO NEWPORT NEWS CITY	Mainstem from a line following the Rt. 664 crossing downstream to line between Lincoln Park/NW corner Craney Island. Portion of CBP segment JMSMH. DSS (ADMINISTRATIVE) shellfish direct harvesting condemnations # 058-034 A&B & portion 057-007 A&B.

VA Overall AU Category: **5A**

Use	Impairment	3.40 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76088	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**	76088	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River Mesohaline Embayments**

TMDL Group ID: **76088**

VAT-G11E_JOG01A04	Jones Creek - Tributary to Pagan River	ISLE OF WIGHT CO SUFFOLK CITY	South shore trib. to Pagen R., near confluence with James R. Drains the Battery Park & Rescue areas. From headwaters to mouth, including tidal tributaries. Portion of CBP segment JMSMH. Portion of DSS shellfish direct harvesting condemnation # 061- 064 A.

VA Overall AU Category: **5A**

Use	Impairment	0.35 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76088	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76088	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River Mesohaline Embayments**

TMDL Group ID: **76088**

VAT-G11E_KIN01A06	Kings Creek - Upper (Tributary to James River)	ISLE OF WIGHT CO	South shore tributary to James R., upstream of James R. Bridge. North of Ragged Isand area. From end of tidal waters downstream to end of DSS shellfish direct harvesting condemnation # 062-164 B.Portion of CBP segment JMSMH.

VA Overall AU Category: **5A**

Use	Impairment	0.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76088	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76088	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River Mesohaline Embayments**

TMDL Group ID: **76088**

VAT-G11E_LAW01A00	Lawnes Creek (Tributary to James River)	ISLE OF WIGHT CO	South shore tributary to James R. near Hog Island WMA. Hog Isl. area, opposite Mulberry Point. From end of tidal waters downstream to mouth. Portion of CBP segment JMSMH. DSS shellfish direct harvesting condemnation # 060-206 A.

VA Overall AU Category: **5A**

Use	Impairment	0.29 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76088	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76088	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River Mesohaline Embayments**

TMDL Group ID: **76088**

VAT-G11E_MRS01A06	Morrisons Creek - Mulberry Island	NEWPORT NEWS CITY	North shore tributary to James R. on Mulberry Island. Downstream of Mulberry Point. From end of tidal waters downstream to mouth. Portion of CBP segment JMSMH. DSS (OPEN) shellfish direct harvesting condemnation # 058-183 [2004-06-07].

VA Overall AU Category: **5A**

Use	Impairment	0.14 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76088	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76088	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River Mesohaline Embayments**

TMDL Group ID: **76088**

VAT-G11E_PGN01A06	Pagan River - Upstream of Mouth	ISLE OF WIGHT CO	Located in Smithfield area. South shore tributary to James R. From end of tide downstream to narrowing north of Battery Park. Portion of CBP segment JMSMH. DSS shellfish direct harvesting condemnation # 061-064 A.

VA Overall AU Category: **5A**

Use	Impairment	1.00 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76088	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76088	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River Mesohaline Embayments**

TMDL Group ID: **76088**

VAT-G11E_PGN02A06	Pagan River - Mouth Area	ISLE OF WIGHT CO	Located in Smithfield area. South shore tributary to James R. From narrowing north of Battery Park downstream to mouth. Portion of CBP segment JMSMH. DSS shellfish direct harvesting condemnation # 061-064 A.

VA Overall AU Category: **5A**

Use	Impairment	1.00 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76088	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76088	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River Mesohaline Embayments**

TMDL Group ID: **76088**

VAT-G11E_RIC01A06	Ragged Island Creek	ISLE OF WIGHT CO	North shore tributary to James R. on Mulberry Island. Downstream of Mulberry Point. From end of tidal waters downstream to mouth. Portion of CBP segment JMSMH. DSS (OPEN) shellfish direct harvesting condemnation # 062-080 [effective 2003-07-31].

VA Overall AU Category: **5A**

Use	Impairment	0.29 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76088	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76088	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River Mesohaline Embayments**

TMDL Group ID: **76088**

VAT-G11E_SFF01A04	Skiffes Creek System	JAMES CITY CO NEWPORT NEWS CITY	Located west of Lee Hall area, flows along the James City Co./ Newport News City boundary. Includes tidal tributaries. Portion of CBP segment JMSMH. DSS shellfish direct harvesting condemnation # 059-023.

VA Overall AU Category: **5A**

Use	Impairment	0.58 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76088	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76088	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River Mesohaline Embayments**

TMDL Group ID: **76088**

VAT-G11E_TYB01A00	Tylers Beach Boat Basin	ISLE OF WIGHT CO	Located in the Bailey Beach area. Adjacent to the James River. Opposite Mulberry Island. NW corner of Burwell Bay. From end of tidal waters downstream to mouth. Portion of CBP segment JMSMH. DSS shellfish direct harvesting condemnation # 060-206 B.

VA Overall AU Category: **5A**

Use	Impairment	0.00 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76088	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76088	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River Mesohaline Embayments**

TMDL Group ID: **76088**

VAT-G11E_WWK01A06	Warwick River - Tidal Portion	NEWPORT NEWS CITY	Located in Menchville area. Tributary to James R. From end of tidal waters downstream to mouth. Portion of CBP segment JMSMH. DSS (ADMINISTRATIVE) shellfish direct harvesting condemnation # 058-034 A.

VA Overall AU Category: **5A**

Use	Impairment	1.32 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76088	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76088	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River Mesohaline Embayments**

TMDL Group ID: **76088**

VAT-G11E_ZZZ01A00	Unsegmented estuaries - Open Shellfish	ISLE OF WIGHT CO SURRY CO	Non-segmented small tributaries in the watershed. Portion of CBP segment JMSMH. DSS (OPEN) shellfish direct harvesting condemnation # 057-069 I.

VA Overall AU Category: **5A**

Use	Impairment	0.43 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76088	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76088	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River Mesohaline Embayments**

TMDL Group ID: **76088**

VAT-G11E_ZZZ02A00	Unsegmented estuaries - Administrative DSS Condemnations	NEWPORT NEWS CITY	Non-segmented small tributaries in the watershed. Portion of CBP segment JMSMH. DSS (ADMINISTRATIVE) shellfish direct harvesting condemnations # 058-034 A&B & portion 057-007 A&B.

VA Overall AU Category: **5A**

Use	Impairment	0.15 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76088	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76088	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River Mesohaline Embayments**

TMDL Group ID: **76088**

VAT-G13E_BEN01A04	Bennett Creek - Tributary to Nansemond R.	SUFFOLK CITY	Western shore trib. to Nansemond R., near confluence with James R. Drains the Bennett Harbor area. From headwaters to mouth, including tidal tributaries. Portion of CBP segment JMSMH. DSS shellfish direct harvesting condemnation # 063- 046.

VA Overall AU Category: **5A**

Use	Impairment	0.50 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76088	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76088	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River Mesohaline Embayments**

TMDL Group ID: **76088**

VAT-G13E_BHN01A00	Bleakhorn Creek - Tributary to Nansemond R.	SUFFOLK CITY	Western shore trib. to Nansemond R., near confluence with James R. Drains the Eclipse area near Crittenden. From headwaters to mouth, including tidal tributaries. Portion of CBP segment JMSMH. DSS shellfish direct harvesting condemnation # 063- 182.

VA Overall AU Category: **5A**

Use	Impairment	0.04 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76088	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76088	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River Mesohaline Embayments**

TMDL Group ID: **76088**

VAT-G13E_BML01A06	Burnetts Mill Creek - Tributary to Nansemond R.	SUFFOLK CITY	Eastern shore trib. to Nansemond R., south of the Nansemond area. Drains the Beamon area. From headwaters to mouth. Portion of CBP segment JMSMH. Portion of DSS shellfish direct harvesting condemnation # 063-008.

VA Overall AU Category: **5A**

Use	Impairment	0.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76088	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76088	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River Mesohaline Embayments**

TMDL Group ID: **76088**

VAT-G13E_KNC01A00	Knotts Creek - Tributary to Nansemond R.	SUFFOLK CITY	Eastern shore trib. to Nansemond R., near confluence with James R. Drains the Belleville and Huntersville areas. From headwaters to mouth, including tidal tributaries. Portion of CBP segment JMSMH. DSS shellfish direct harvesting condemnation # 063- 077.

VA Overall AU Category: **5A**

Use	Impairment	0.15 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76088	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76088	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River Mesohaline Embayments**

TMDL Group ID: **76088**

VAT-G13E_NAN01A00	Nansemond River - Upper	SUFFOLK CITY	Upper Nansemond River. Extends from most upstream point in river at Lake Meade Dam (RM 19.8) downstream to Rt. 58/460 crossing (RM 15.2). Portion of CBP segment JMSMH. Portion of DSS shellfish condemnation # 063-008.

VA Overall AU Category: **5A**

Use	Impairment	0.26 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76088	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76088	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River Mesohaline Embayments**

TMDL Group ID: **76088**

VAT-G13E_NAN02A06	Nansemond River - Upper Middle	SUFFOLK CITY	Downstream of Suffolk. From Rt 58/460 (RM 15.1) crossing downstream to confluence with the Western Branch from the Reservoir (RM 11.9). Portion of the CBP segment JMSMH. Portion of DSS shellfish condemnation # 063-008.

VA Overall AU Category: **5A**

Use	Impairment	0.21 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76088	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76088	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River Mesohaline Embayments**

TMDL Group ID: **76088**

VAT-G13E_NAN03A06	Nansemond River - Lower Middle	SUFFOLK CITY	In area of Western Branch Reservoir. From confluence with Western Br. (RM 11.8) downstream to a line from Sleepy Hole Pt to Lobo on west shore (0.8 mi. downstream Rt 125, RM 7.5). CBP segment JMSMH. Portion of DSS shellfish condemnation # 063-008.

VA Overall AU Category: **5A**

Use	Impairment	1.96 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76088	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**	76088	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River Mesohaline Embayments**

TMDL Group ID: **76088**

VAT-G13E_NAN04A00	Nansemond River - Lower	SUFFOLK CITY	Nansemond R nearer mouth. from a line from Sleepy Hole Pt on east shore to Lobo on west (0.8 mi. downstream of Rt 125, RM 7.5) downstream to mouth. CBP segment JMSMH. Portion of DSS (OPEN) shellfish direct harvesting condemnations # 063- 008 & 057-069 F.

VA Overall AU Category: **5A**

Use	Impairment	7.66 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76088	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76088	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River Mesohaline Embayments**

TMDL Group ID: **76088**

VAT-G13E_OYS01A06	Oyster House Creek - Tributary to Nansemond R.	SUFFOLK CITY	Eastern shore trib. to Nansemond R., west of the Bailey town area. Drains the Beamon area. From headwaters to mouth, not including the Star Creek tributary. Portion of CBP segment JMSMH. Portion of DSS shellfish direct harvesting condemnation # 063- 008.

VA Overall AU Category: **5A**

Use	Impairment	0.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76088	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76088	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River Mesohaline Embayments**

TMDL Group ID: **76088**

VAT-G13E_SGL01A00	Shingle Creek - Tributary to Nansemond R.	SUFFOLK CITY	Northeast of Suffolk, near Rt 642. From end of tidal waters (0.2 mi uptream of Portsmouth Blvd downstream to Nansemond R. Headwaters connect to canals (Jericho Ditch) in Dismal Swamp. CBP segment JMSMH. Portion of DSS shellfish condemnation # 063-008.

VA Overall AU Category: **5A**

Use	Impairment	0.04 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76088	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76088	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River Mesohaline Embayments**

TMDL Group ID: **76088**

VAT-G13E_STR01A04	Star Creek - Tributary to Oyster House Cr.	SUFFOLK CITY	Eastern shore trib. to Oyster House Cr. Adjacent to the Naval Communication station at Driver. From headwaters to mouth. Portion of CBP segment JMSMH. Portion of DSS shellfish direct harvesting condemnation # 063- 008.

VA Overall AU Category: **5A**

Use	Impairment	1.00 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76088	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76088	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River Mesohaline Embayments**

TMDL Group ID: **76088**

VAT-G13E_WBN01A06	Western Branch - Nansemond River	SUFFOLK CITY	Western shore branch off the Nansemond R. South of the Reids Ferry area. Downstream of the Western Branch Reservoir, prior to reaching the Nansemond River. Portion of CBP segment JMSMH. Portion of DSS shellfish direct harvesting condemnation # 063- 008.

VA Overall AU Category: **5A**

Use	Impairment	0.11 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76088	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76088	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River Mesohaline Embayments**

TMDL Group ID: **76088**

VAT-G13E_ZZZ01A00	Unsegmented estuaries - no DSS condemnation in G13E	SUFFOLK CITY	Lower Nansemond River unsegmented tributaries without a DSS condemnation. Portion of CBP segment JMSMH. Portion of CBP segment JMSMH. Portion of DSS (OPEN) shellfish direct harvesting condemnations # 063- 008 & 057-069 F.

VA Overall AU Category: **5A**

Use	Impairment	0.19 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76088	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76088	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River Mesohaline Embayments**

TMDL Group ID: **76088**

VAT-G13E_ZZZ01B06	Unsegmented estuaries with DSS condemnation	SUFFOLK CITY	Upper Nansemond River unsegmented tributaries with a DSS condemnation. Portion of CBP segment JMSMH. Portion of CBP segment JMSMH. Portion of DSS shellfish direct harvesting condemnation # 063-008.

VA Overall AU Category: **5A**

Use	Impairment	0.06 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76088	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76088	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River Polyhaline Embayments**

TMDL Group ID: **76085**

VAT-G15E_HAI01A06	Hampton River	HAMPTON CITY	North shore trib to Hampton Roads near the end of Queen St. Portion of CBP segment JMSPH. DSS (ADMINISTRATIVE) shellfish direct harvesting condemnation # 057-007 A.

VA Overall AU Category: **5A**

Use	Impairment	0.55 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76085	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76085	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River Polyhaline Embayments**

TMDL Group ID: **76085**

VAT-G15E_HAI02A06	Mill Point Creek - Beach Area	HAMPTON CITY	Located along the Hampton River near the end of Queen St. Portion of CBP segment JMSPH. DSS (ADMINISTRATIVE) shellfish direct harvesting condemnation # 057-007 A.

VA Overall AU Category: **5A**

Use	Impairment (0.00 SQUARE MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**	76085	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**	76085	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River Polyhaline Embayments**

TMDL Group ID: **76085**

VAT-G15E_HOF01A06	Hoffler Creek	PORTSMOUTH CITY	Located along the southern shore of Hampton Roads Harbor.Entirety of Hoffler Creek. South shore tributary to James River near Craney Island (at mouth of Elizabeth R). Portion of CBP segment JMSPH. DSS shellfish direct harvesting condemnation # 064-019.

VA Overall AU Category: **5A**

Use	Impairment	0.06 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76085	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76085	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River Polyhaline Embayments**

TMDL Group ID: **76085**

VAT-G15E_JMS01A00	James River at Hampton Roads Harbor	HAMPTON CITY PORTSMOUTH CITY	From a line between Lincoln Park and the NW corner of Craney Isl. downstream to mouth at Hampton Roads Tunnel. Portion of CBP segment JMSPH. DSS (ADMINISTRATIVE) shellfish direct harvesting condemnation # 057-007 A.

VA Overall AU Category: **5A**

Use	Impairment	24.33 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76085	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76085	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River Polyhaline Embayments**

TMDL Group ID: **76085**

VAT-G15E_JMS01B06	James River - King/Lincoln Park Beach Area	NEWPORT NEWS CITY	Located along the western shore portion of Hampton Roads Harbor. Portion of CBP segment JMSPH. DSS (ADMINISTRATIVE) shellfish direct harvesting condemnation # 057-007 A.

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76085	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76085	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River Polyhaline Embayments**

TMDL Group ID: **76085**

VAT-G15E_JMS01C06	James River - Anderson Park Beach Area	NEWPORT NEWS CITY	Located along the western shore portion of Hampton Roads Harbor. Portion of CBP segment JMSPH. DSS (ADMINISTRATIVE) shellfish direct harvesting condemnation # 057-007 A.

VA Overall AU Category: **5A**

Use	Impairment (0.01 SQUARE MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**	76085	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**	76085	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River Polyhaline Embayments**

TMDL Group ID: **76085**

VAT-G15E_SRE01A06	Streeter Creek	PORTSMOUTH CITY	Located along the southern shore of Hampton Roads Harbor. Entirety of Streeter Creek. South shore tributary to James River near Craney Island (at mouth of Elizabeth R). Portion of CBP segment JMSPH. DSS shellfish direct harvesting condemnation # 064-018.

VA Overall AU Category: **5A**

Use	Impairment	0.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76085	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**	76085	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River Polyhaline Embayments**

TMDL Group ID: **76085**

VAT-G15E_WLY01A06	Willoughby Bay	NORFOLK CITY	Located adjacent to mouth of James River at Hampton Roads, southeast of Hampton Roads Bridge Tunnel. Portion of CBP segment JMSPH. DSS (ADMINISTRATIVE) shellfish direct harvesting condemnation # 057-007 A.

VA Overall AU Category: **5A**

Use	Impairment	2.48 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76085	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76085	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River Polyhaline Embayments**

TMDL Group ID: **76085**

VAT-G15E_WLY03A06	Willoughby Bay - Beach Area	NORFOLK CITY	Located along the northern shore portion of Willoughby Bay along Willoughby Spit. Portion of CBP segment JMSPH. DSS (ADMINISTRATIVE) shellfish direct harvesting condemnation # 057-007 A.

VA Overall AU Category: **5A**

Use	Impairment	0.15 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76085	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76085	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River Polyhaline Embayments**

TMDL Group ID: **76085**

VAT-G15E_ZZZ01A00	Unsegmented estuaries in Hampton Roads Harbor	HAMPTON CITY PORTSMOUTH CITY	Non segmented areas of G15 within the Hampton Roads Harbor area. Portion of CBP segment JMSPH. DSS (ADMINISTRATIVE) shellfish direct harvesting condemnation # 057-007 A.

VA Overall AU Category: **5A**

Use	Impairment	0.93 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76085	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76085	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **James River, Unnamed Tributary**

TMDL Group ID: **01179**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-H38R_XVV01A04	**UT to UT (XNH) to James River**	GOOCHLAND CO	Roadside ditch downstream of Four Seasons Laundry lagoon.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	0.42 MILES	01179	**2004**	**2016**	VAP-H38R-05

This segment was assessed not supporting of the Recreation Use based on fecal coliform violations (2/2) in the ditch below the lagoon.

Sources: Industrial Point Source Discharge

TMDL Watershed Name: **Johns Creek, Lower**

TMDL Group ID: **01695**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAW-I21R_JOB01A00	**Johns Creek Lower 1**	CRAIG CO	Johns Creek mainstem from near Lovers Leap upstream of New Castle downstream to its mouth on Craig Creek.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	2.19 MILES	01695	**2004**	**2016**	

Sources: Municipal (Urbanized High Density Area)
Unspecified Domestic Waste
Wastes from Pets
Wildlife Other than Waterfowl

TMDL Watershed Name: **Johnson Creek**

TMDL Group ID: **01138**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-G02R_JOD01A04	**Johnson Creek**	CHESTERFIELD CO	Johnson Creek and tribs from its headwaters to tidal limit Segment extended in 2006 to incorporate tribs.

VA Overall AU Category: **5C**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	14.16 MILES	01138	**2004**	**2016**	VAP-G02R-03

Johnson Creek was assessed as not supporting the Aquatic Life Use goal based on a dissolved oxygen violation rate of 4/22 and a pH violation rate of 10/22 at Route 827 Allied Road (2-JOD001.19).

The segment was extended during 2006 based on monitoring by Chesterfield County.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Johnson Creek**

TMDL Group ID: **01139**

VAP-G02R_JOD01A04	Johnson Creek	CHESTERFIELD CO	Johnson Creek and tribs from its headwaters to tidal limit Segment extended in 2006 to incorporate tribs.

VA Overall AU Category: **5C**

Use	Impairment	14.16 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		01139	**2004**	**2016**	VAP-G02R-03 Johnson Creek was assessed as not supporting the Aquatic Life Use goal based on a dissolved oxygen violation rate of 4/22 and a pH violation rate of 10/22 at Route 827 Allied Road (2-JOD001.19). The segment was extended during 2006 based on monitoring by Chesterfield County.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

TMDL Watershed Name: **Jones Creek - Tributary to Pagan River**

TMDL Group ID: **76033**

VAT-G11E_JOG01A04	Jones Creek - Tributary to Pagan River	ISLE OF WIGHT CO SUFFOLK CITY	South shore trib. to Pagen R., near confluence with James R. Drains the Battery Park & Rescue areas. From headwaters to mouth, including tidal tributaries. Portion of CBP segment JMSMH. Portion of DSS shellfish direct harvesting condemnation # 061- 064 A.

VA Overall AU Category: **5A**

Use	Impairment	0.35 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Enterococcus**		76033	**2006**	**2018**	The Recreation Use is impaired (2 violate / 14 obs.) due to exceedance of the instantaneous criteria for Enterococcus bacteria.

Sources: Source Unknown

TMDL Watershed Name: **Jones Creek (Pagan River)**

TMDL Group ID: **00606**

VAT-G11E_JOG01A04	Jones Creek - Tributary to Pagan River	ISLE OF WIGHT CO SUFFOLK CITY	South shore trib. to Pagen R., near confluence with James R. Drains the Battery Park & Rescue areas. From headwaters to mouth, including tidal tributaries. Portion of CBP segment JMSMH. Portion of DSS shellfish direct harvesting condemnation # 061- 064 A.

VA Overall AU Category: **5A**

Use	Impairment	0.35 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		00606	**2006**	**2016**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04. This segment was previously identified (2004 IR) as a site-specific impairment for PCBs in fish tissue concentrations under TMDL ID VAT-G11E-07, this previous impairment TMDL due date is carried forward for this AU, rather than base the TMDL due date on the issuance date of the VDH PCB advisory.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Jones Creek (Pagan River)**

TMDL Group ID: **01284**

VAT-G11E_JOG01A04	Jones Creek - Tributary to Pagan River	ISLE OF WIGHT CO SUFFOLK CITY	South shore trib. to Pagen R., near confluence with James R. Drains the Battery Park & Rescue areas. From headwaters to mouth, including tidal tributaries. Portion of CBP segment JMSMH. Portion of DSS shellfish direct harvesting condemnation # 061- 064 A.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**	0.35 SQUARE MILES	01284	**2006**	**2010**	DSS shellfish direct harvesting condemnation # 061- 064 A.

Sources: Source Unknown

TMDL Watershed Name: **Judith Creek**

TMDL Group ID: **50086**

VAC-H03R_JTH01A06	Judith Creek	BEDFORD CO LYNCHBURG CITY	Judith Creek from its headwaters to the confluence with the James River.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	10.55 MILES	50086	**2006**	**2018**	

Sources: Source Unknown

TMDL Watershed Name: **King Creek and Ballards Marsh**

TMDL Group ID: **01285**

VAT-G11E_KIN01A06	Kings Creek - Upper (Tributary to James River)	ISLE OF WIGHT CO	South shore tributary to James R., upstream of James R. Bridge. North of Ragged Isand area. From end of tidal waters downstream to end of DSS shellfish direct harvesting condemnation # 062-164 B.Portion of CBP segment JMSMH.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**	0.03 SQUARE MILES	01285	**2006**	**2010**	DSS shellfish direct harvesting condemnation # 061- 064 A.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Kingsland Creek**

TMDL Group ID: **10027**

VAP-G01R_KSL01A04	Kingsland Creek	CHESTERFIELD CO	Headwaters to mouth

VA Overall AU Category: **5A**

Use	Impairment	8.55 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		10027	**2006**	**2018**	VAP-G01R-05

During the 2006 cycle, Kingsland Creek was assessed as not supporting the Aquatic Life Use based on a pH violation rate of 2/9 at 2-KSL002.62.

Sources: Source Unknown

TMDL Group ID: **10028**

VAP-G01R_KSL01A04	Kingsland Creek	CHESTERFIELD CO	Headwaters to mouth

VA Overall AU Category: **5A**

Use	Impairment	8.55 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		10028	**2006**	**2018**	VAP-G01R-05

During the 2006 cycle, Kingsland Creek was assessed as not supporting the Recreation Use based on an E. coli violation rate of 4/9 at 2-KSL002.62.

Sources: Source Unknown

TMDL Watershed Name: **Knotts Creek - Tributary to Nansemond R.**

TMDL Group ID: **76722**

VAT-G13E_KNC01A00	Knotts Creek - Tributary to Nansemond R.	SUFFOLK CITY	Eastern shore trib. to Nansemond R., near confluence with James R. Drains the Belleville and Huntersville areas. From headwaters to mouth, including tidal tributaries. Portion of CBP segment JMSMH. DSS shellfish direct harvesting condemnation # 063- 077.

VA Overall AU Category: **5A**

Use	Impairment	0.15 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		76722	**2006**	**2010**	DSS shellfish direct harvesting condemnation # 063- 077.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Lafayette River**

TMDL Group ID: **00614**

VAT-G15E_LAF01A06 **Lafayette River - Upper** NORFOLK CITY

Located east of Craney Isl. From headwaters (approx. RM 7.5) downstream to Rt 337 (Hampton Blvd bridge,RM 1.75). Portion of CBP segment LAFMH. Portion of the DSS (ADMINISTRATIVE) shellfish direct harvesting condemnation # 065-007 E.

VA Overall AU Category: **5A**

Use	Impairment	1.41 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		00614	**2006**	**2016**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04. This segment was previously identified (2004 IR) as a site-specific impairment for PCBs in fish tissue concentrations under TMDL ID: VAT-G15E-05-02, this previous impairment TMDL due date is carried forward for this AU, rather than base the TMDL due date on the issuance date of the VDH PCB advisory. Observed Effects exhibited due to the VDH (issued 1988) caution to limit consumption of fish on a daily basis due to the potential for Kepone fish tissue contamination, reported in historical fish monitoring data with the potential for presence in the sediments of the James River.

Sources: Source Unknown

VAT-G15E_LAF02A06 **Lafayette River - Lower** NORFOLK CITY

Located east of Craney Isl. From Rt. 337 (Hampton Blvd bridge,RM 1.75) downstream to the mouth. Portion of CBP segment LAFMH. Portion of the DSS (ADMINISTRATIVE) shellfish direct harvesting condemnation # 065-007 E.

VA Overall AU Category: **5A**

Use	Impairment	1.04 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		00614	**2006**	**2016**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04. This segment was previously identified (2004 IR) as a site-specific impairment for PCBs in fish tissue concentrations under TMDL ID: VAT-G15E-05-02, this previous impairment TMDL due date is carried forward for this AU, rather than base the TMDL due date on the issuance date of the VDH PCB advisory. Observed Effects exhibited due to the VDH (issued 1988) caution to limit consumption of fish on a daily basis due to the potential for Kepone fish tissue contamination, reported in historical fish monitoring data with the potential for presence in the sediments of the James River.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Lafayette River**

TMDL Group ID: **01524**

VAT-G15E_LAF01A06 **Lafayette River - Upper** NORFOLK CITY

Located east of Craney Isl. From headwaters (approx. RM 7.5) downstream to Rt 337 (Hampton Blvd bridge,RM 1.75). Portion of CBP segment LAFMH. Portion of the DSS (ADMINISTRATIVE) shellfish direct harvesting condemnation # 065-007 E.

VA Overall AU Category: **5A**

Use	Impairment	1.41 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Estuarine Bioassessments**		01524	**2006**	**2016**	The Aquatic Life Use is impaired based on failure to meet a statistical evaluation constituting an un-impacted benthic organism population per CBP (Benthic-BIBI) analysis (VERSAR-2005). The source/stressor tool yielded an unknown source for the impairment

Sources: Source Unknown

VAT-G15E_LAF02A06 **Lafayette River - Lower** NORFOLK CITY

Located east of Craney Isl. From Rt. 337 (Hampton Blvd bridge,RM 1.75) downstream to the mouth. Portion of CBP segment LAFMH. Portion of the DSS (ADMINISTRATIVE) shellfish direct harvesting condemnation # 065-007 E.

VA Overall AU Category: **5A**

Use	Impairment	1.04 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Estuarine Bioassessments**		01524	**2006**	**2016**	The Aquatic Life Use is impaired based on failure to meet a statistical evaluation constituting an un-impacted benthic organism population per CBP (Benthic-BIBI) analysis (VERSAR-2005). The source/stressor tool yielded an unknown source for the impairment. This segment was previously included (2004 IR) in TMDL ID: VAT-G15E-05-01. The TMDL due date is carried from the previous 2004 IR impairment identification date.

Sources: Source Unknown

TMDL Group ID: **01526**

VAT-G15E_LAF01A06 **Lafayette River - Upper** NORFOLK CITY

Located east of Craney Isl. From headwaters (approx. RM 7.5) downstream to Rt 337 (Hampton Blvd bridge,RM 1.75). Portion of CBP segment LAFMH. Portion of the DSS (ADMINISTRATIVE) shellfish direct harvesting condemnation # 065-007 E.

VA Overall AU Category: **5A**

Use	Impairment	1.41 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Enterococcus**		01526	**2006**	**2014**	The Recreation Use is impaired (6 violates / 27 observations) due to exceedance of the instantaneous criteria for Enterococcus bacteria. The previous Fecal Coliform indicator bacteria impairment no longer applies, replaced by Enterococcus criteria impairment since threshold of 12 observations reached, with TMDL ID and due date same as original FC impairment.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Lafayette River**

TMDL Group ID: **01526**

VAT-G15E_LAF02A06	Lafayette River - Lower	NORFOLK CITY	Located east of Craney Isl. From Rt. 337 (Hampton Blvd bridge,RM 1.75) downstream to the mouth. Portion of CBP segment LAFMH. Portion of the DSS (ADMINISTRATIVE) shellfish direct harvesting condemnation # 065-007 E.

VA Overall AU Category: **5A**

Use	Impairment	1.04 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Enterococcus**		01526	**2006**	**2014**	The Recreation Use is impaired (6 violates / 27 observations) due to exceedance of the instantaneous criteria for Enterococcus bacteria. The previous Fecal Coliform indicator bacteria impairment no longer applies, replaced by Enterococcus criteria impair

Sources: Source Unknown

TMDL Watershed Name: **Lafayette River (Lower)**

TMDL Group ID: **01531**

VAT-G15E_LAF02A06	Lafayette River - Lower	NORFOLK CITY	Located east of Craney Isl. From Rt. 337 (Hampton Blvd bridge,RM 1.75) downstream to the mouth. Portion of CBP segment LAFMH. Portion of the DSS (ADMINISTRATIVE) shellfish direct harvesting condemnation # 065-007 E.

VA Overall AU Category: **5A**

Use	Impairment	1.04 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Tributylin TBT (Tributylstanne)**		01531	**2004**	**2016**	The Aquatic Life Use is impaired based on failure to meet the DEQ tributyltin (TBT) salt water chronic criteria. This segment was previously included (2004 IR) in TMDL ID: VAT-G15E-05-03. The TMDL due date is carried from the previous 2004 IR impairment identification date.

Sources: Other Shipping Releases (Wastes and Detritus)
Shipbuilding, Repairs, Drydocking

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Lafayette River Mesohaline Embayments**

TMDL Group ID: **76084**

VAT-G15E_LAF01A06	Lafayette River - Upper	NORFOLK CITY	Located east of Craney Isl. From headwaters (approx. RM 7.5) downstream to Rt 337 (Hampton Blvd bridge,RM 1.75). Portion of CBP segment LAFMH. Portion of the DSS (ADMINISTRATIVE) shellfish direct harvesting condemnation # 065-007 E.

VA Overall AU Category: **5A**

Use	Impairment	1.41 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		76084	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		76084	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Lafayette River Mesohaline Embayments**

TMDL Group ID: **76084**

VAT-G15E_LAF02A06	Lafayette River - Lower	NORFOLK CITY	Located east of Craney Isl. From Rt. 337 (Hampton Blvd bridge,RM 1.75) downstream to the mouth. Portion of CBP segment LAFMH. Portion of the DSS (ADMINISTRATIVE) shellfish direct harvesting condemnation # 065-007 E.

VA Overall AU Category: **5A**

Use	Impairment	1.04 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		76084	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Non-Point Source)
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		76084	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Non-Point Source)
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

TMDL Watershed Name: **Lake Albemarle**

TMDL Group ID: **01659**

VAV-H23L_SIN01A04	Lake Albemarle	ALBEMARLE CO	Lake Albemarle

VA Overall AU Category: **5A**

Use	Impairment	40.00 ACRES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		01659	**2004**	**2016**	

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Lake Burnt Mills**

TMDL Group ID: **76039**

VAT-G14L_NWB01A06 **Lake Burnt Mills - Upper (PWS)** ISLE OF WIGHT CO NORFOLK CITY

West of Chuckatuck. Upper northwest portion of Western Branch Reservoir system. Upstream of Rt 603. Impounded headwaters tributary of the Nansemond River. Portion of Norfolk water supply reservoirs.

VA Overall AU Category: **5A**

Use	Impairment	451.00 ACRES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		76039	**2006**	**2018**	The Aquatic Life Use is impaired based on dissolved oxygen concentrations below the minimum allowable instantaneous criteria of 4.0 mg/l. Failure to meet the dissolved oxygen concentrations below the minimum allowable instantaneous criteria as recorded at the DEQ (Lake) monitoring stations @ 2-NWB010.54 (22 vioates / 30 observations), 2-NWB009.48 (32 vioates / 42 observations) and at Norfolk (MUN) station @ BM2 (15 vioates / 27 observations). TSI calculation for 2-NWB009.48, (epilimnion) indicates impairment DUE TO anthropogenic sources { Category 5A} and Eutrophic Category = Eutrophic (TSI 60-79).□□□□□□□□□□□□ TSI calculation for 2-NWB010.54, (epilimnion) indicates impairment DUE TO anthropogenic sources { Category 5A} and Eutrophic Category = Mesotrophic (TSI 60-79).□□□□□□□□□□□□□

Sources: Source Unknown

VAT-G14L_NWB04A06 **Western Branch Reservoir - Lower (PWS)** ISLE OF WIGHT CO NORFOLK CITY

West of Chuckatuck. Lower southeast portion of Western Branch Reservoir system. Upstream of Rt 10/32. Impounded headwaters tributary of the Nansemond River. Portion of Norfolk water supply reservoirs.

VA Overall AU Category: **5A**

Use	Impairment	853.00 ACRES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		76039	**2006**	**2018**	The Aquatic Life Use is impaired based on dissolved oxygen concentrations below the minimum allowable instantaneous criteria of 4.0 mg/l. Failure to meet the dissolved oxygen concentrations below the minimum allowable instantaneous criteria as recorded at the DEQ (Lake) monitoring stations @ 2-NWB004.67 (8 vioates / 45 observations) and at Norfolk (MUN) lake monitoring stations @ WB1 (5 vioates / 33 observations) and WB2 (4 vioates / 32 observations) TSI calculation indicates non-stratified conditions.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Lake Chesdin**

TMDL Group ID: **01205**

VAP-J14L_APP01A00	Lake Chesdin	CHESTERFIELD CO DINWIDDIE CO	Extent of backwater for Lake Chesdin

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	3196.00 ACRES	01205	**2004**	**2016**	VAP-J14L-01 Lake Chesdin was assessed as Cat. 5A for DO violations. The DO violation rates for the monitoring stations on Lake Chesdin were: 10/41 in the epilimnion and 26/26 in the hypolimnion at 2-APP020.23; 7/36 in the epilimnion and 8/10 in the hypolimnion at 2-APP23.27; and 5/28 in the epilimnion at 2-APP026.67. Monitoring for these stations ceased in 2001. Station 2-APP026.67 had observed effects for Total Phosphorus with a standards violation rate of 3/7. Station 2-APP028.59 had observed effects for Total Phosphorus with a violation rate of 3/6. Station 2-APP029.23 (located upstream in J12L) was assessed with the Lake Chesdin stations in J14L.

Sources: Source Unknown

TMDL Watershed Name: **Lake Cohoon (PWS)**

TMDL Group ID: **76037**

VAT-G12L_LCN01A06	Lake Cohoon (PWS)	SUFFOLK CITY	Southeast of Myrtle. West and upstream of Lake Meade, (portion of the headwater impoundment system of the Nansemond River). Portion of Portsmouth PWS system.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	454.00 ACRES	76037	**2006**	**2018**	The Aquatic Life Use is impaired based on dissolved oxygen concentrations below the DEQ minimum allowable instantaneous criteria (4.0 mg/l). TSI calculation for 2-LCN000.20, (epilimnion) indicates impairment due to anthropogenic sources { Category 5A} and Eutrophic Category = Eutrophic (TSI 60-79).□□□□□□□□□□□□ TSI calculation for 2-LMD004.35, (epilimnion) indicates impairment due to anthropogenic sources { Category 5A} and Eutrophic Category = Eutrophic (TSI 60-79).□□□□□□□□□□□□ TSI calculation for 2-LMD005.55, (epilimnion) indicates impairment due to anthropogenic sources { Category 5A} and Eutrophic Category = Eutrophic (TSI 60-79).

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Lake Kilby (PWS)**

TMDL Group ID: **76036**

VAT-G12L_LKK01A06	Lake Kilby (PWS)	SUFFOLK CITY	Northwest of Suffolk Municipal Airport. South of Pitchkettle Creek. Most southwest branch of Lake Kilby/Pitchkettle Creek/Lake Meade system (headwater impoundments of Nansemond River). Portion of Portsmouth PWS system.

VA Overall AU Category: **5A**

Use	Impairment	200.00 ACRES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		76036	**2006**	**2018**	The Aquatic Life Use is impaired (27 vilolates / 35 observations) based on dissolved oxygen concentrations below the DEQ minimum allowable instantaneous criteria (4.0 mg/l). TSI calculation for 2-LKK000.80, (epilimnion) indicates impairment due to anthropogenic sources { Category 5A} and Eutrophic Category = Eutrophic (TSI 60-79).

Sources: Source Unknown

TMDL Watershed Name: **Lake Meade (PWS)**

TMDL Group ID: **76569**

VAT-G12L_LMD01A06	Lake Meade (PWS)	SUFFOLK CITY	Northwest of City of Suffolk. Headwater impoundments of Nansemond River. Downstream receptor of Lakes Cohoon & Kilby. Portion of Portsmouth PWS system.

VA Overall AU Category: **5A**

Use	Impairment	490.00 ACRES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		76569	**2006**	**2018**	The Aquatic Life Use is impaired based on dissolved oxygen concentrations below the DEQ minimum allowable instantaneous criteria, also exhibits Observed Effects based on exceedance of the DEQ screening values for the nutrient total phosphorus and excessive chlorophyll a. TSI calculation for 2-LMD000.02, (epilimnion) indicates impairment due to anthropogenic sources { Category 5A} and Eutrophic Category = Eutrophic (TSI 60-79).□□□□□□□□□□□□ TSI calculation for 2-LMD000.20, (epilimnion) indicates impairment due to anthropogenic sources { Category 5A} and Eutrophic Category = Eutrophic (TSI 60-79).□□□□□□□□□□□□ TSI calculation for 2-LMD000.41, (epilimnion) indicates impairment due to anthropogenic sources { Category 5A} and Eutrophic Category = Eutrophic (TSI 60-79).□□□□□□□□□□□□ TSI calculation for 2-LMD001.41, (epilimnion) indicates impairment due to anthropogenic sources { Category 5A} and Eutrophic Category = Eutrophic (TSI 60-79).□□□□□□□□□□□□□

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Lake Nottoway (Lee Lake)**

TMDL Group ID: **15019**

VAP-J11L_LDJ01A98	Lake Nottoway (Lee Lake)	NOTTOWAY CO	Extent of backwater for Lake Nottoway (Lee Lake)

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	188.00	ACRES	15019	**2006**	**2018**	15019 (DO) VAP-J11L-01 The DO violation rate at Lake Nottoway station 2-LDJ000.60 at the dam was 5/21 in the epilimnion and 27/32 in the hypolimnion (when stratified). Lake Nottoway (Lee Lake) will be assessed as Cat. 5A needing TMDL development (impaired partially due to anthropogenic sources) of pollution.)

Sources: Changes in Ordinary Stratification and Bottom Water Hypoxia/Anoxia
Dam or Impoundment
Source Unknown

TMDL Watershed Name: **Laurel Run**

TMDL Group ID: **50081**

VAV-I14R_LAA01A02	Laurel Run	BATH CO	Laurel Run from the headwaters downstream to its confluence with Dry Run.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**	2.02	MILES	50081	**2006**	**2018**	

Sources: Atmospheric Deposition - Acidity

TMDL Watershed Name: **Lawnes Creek**

TMDL Group ID: **01286**

VAT-G11E_LAW01A00	Lawnes Creek (Tributary to James River)	ISLE OF WIGHT CO	South shore tributary to James R. near Hog Island WMA. Hog Isl. area, opposite Mulberry Point. From end of tidal waters downstream to mouth. Portion of CBP segment JMSMH. DSS shellfish direct harvesting condemnation # 060-206 A.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**	0.29	SQUARE MILES	01286	**2006**	**2010**	DSS shellfish direct harvesting condemnation # 061- 064 A.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Lee Hall (City Reservoir-Newport News)**

TMDL Group ID: **01302**

VAT-G11L_LHR02A06 **Lee Hall Reservoir - Middle Portion** NEWPORT NEWS CITY

Southeast of Lee Hall. Between northeast and southwest sections (excludes two sections of system in LHR01A04 & LHR03A06). The section of system located entirely north of Ft. Eustis Blvd (Rt 105) and west of I-64. Newport News PWS component.

VA Overall AU Category: **5A**

Use	Impairment	69.00 ACRES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Copper**		01302	**2004**	**2016**	The Aquatic Life Use is impaired based on exceedance of the DEQ copper (acute) criteria as reported from a USGS 2002 special study, extrapolated from stations in neighboring portions of system @ 0204279210 (4 vioates / 6 observations), 0204279230 (4 vioates / 6 observations) and @ 0204279240 (4 vioates / 6 observations).
		Sources:	Municipal (Urbanized High Density Area) Source Unknown			
Wildlife	**Copper**		01302	**2004**	**2016**	The Aquatic Life (and in conjunction the Wildlife) Use is impaired based on exceedance of the DEQ copper (acute) criteria as reported from a USGS 2002 special study, extrapolated from stations in neighboring portions of system @ 0204279210 (4 vioates / 6 observations), 0204279230 (4 vioates / 6 observations) and @ 0204279240 (4 vioates / 6 observations).
		Sources:	Municipal (Urbanized High Density Area) Source Unknown			

VAT-G11L_LHR03A06 **Lee Hall Reservoir - Northeast Portion** NEWPORT NEWS CITY

Southeast of Lee Hall. Northeast section (excludes two sections of system in LHR01A04 & LHR02A06). The section of system located entirely north of Ft. Eustis Blvd (Rt 105) and east of I-64. Newport News PWS component.

VA Overall AU Category: **5A**

Use	Impairment	155.00 ACRES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Copper**		01302	**2004**	**2016**	The Aquatic Life Use is impaired based on exceedance of the DEQ copper (acute) criteria as reported from a USGS 2002 special study. Exceedance of copper criteria @ 0204279210 (4 vioates / 6 observations).
		Sources:	Municipal (Urbanized High Density Area) Source Unknown			
Wildlife	**Copper**		01302	**2004**	**2016**	The Aquatic Life (and in conjunction the Wildlife) Use is impaired based on exceedance of the DEQ copper (acute) criteria as reported from a USGS 2002 special study. Exceedance of copper criteria @ 0204279210 (4 vioates / 6 observations).
		Sources:	Municipal (Urbanized High Density Area) Source Unknown			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Lee Hall (City Reservoir-Newport News)**

TMDL Group ID: **01506**

VAT-G11L_LHR01A04	Lee Hall Reservoir - Southwest Portion	NEWPORT NEWS CITY	Located southeast of Lee Hall area. The two southwest sections of the reservoir system located on either side of Ft. Eustis Blvd (Rt 105). Newport News PWS component.

VA Overall AU Category: **5A**

Use	Impairment	66.00 ACRES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01506	**2004**	**2016**	The Aquatic Life Use is impaired based on dissolved oxygen concentrations below the minimum allowable instantaneous criteria of 4.0 mg/l. Failure to meet the dissolved oxygen concentrations below the minimum allowable instantaneous criteria @ 0204279230 (4 vioates / 18 observations) and @ 0204279240 (4 vioates / 15 observations). TSI calculations indicate the station is not stratified.

Sources: Source Unknown

TMDL Group ID: **01507**

VAT-G11L_LHR01A04	Lee Hall Reservoir - Southwest Portion	NEWPORT NEWS CITY	Located southeast of Lee Hall area. The two southwest sections of the reservoir system located on either side of Ft. Eustis Blvd (Rt 105). Newport News PWS component.

VA Overall AU Category: **5A**

Use	Impairment	66.00 ACRES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Copper**		01507	**2004**	**2016**	The Aquatic Life Use is impaired based on exceedance of the DEQ copper (acute) criteria as reported from a USGS 2002 special study. Exceedance of copper criteria @ 0204279230 (4 vioates / 6 observations) and @ 0204279240 (4 vioates / 6 observations).

Sources: Municipal (Urbanized High Density Area)
Source Unknown

Use	Impairment	66.00 ACRES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Wildlife	**Copper**		01507	**2004**	**2016**	The Aquatic Life (and in conjunction the Wildlife since impairment is based on a water column toxics pollutant) Use is impaired based on exceedance of the DEQ copper (acute) criteria as reported from a USGS 2002 special study. Exceedance of copper criteria @ 0204279230 (4 vioates / 6 observations) and @ 0204279240 (4 vioates / 6 observations).

Sources: Municipal (Urbanized High Density Area)
Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Lee Hall Reservoir - Middle Portion**

TMDL Group ID: **76034**

VAT-G11L_LHR02A06	Lee Hall Reservoir - Middle Portion	NEWPORT NEWS CITY	Southeast of Lee Hall. Between northeast and southwest sections (excludes two sections of system in LHR01A04 & LHR03A06). The section of system located entirely north of Ft. Eustis Blvd (Rt 105) and west of I-64. Newport News PWS component.

VA Overall AU Category: **5A**

Use	Impairment	69.00 ACRES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		76034	**2006**	**2018**	The Aquatic Life Use is impaired (station 2-LHR000.96; 4 violates / 35 observations) based on dissolved oxygen concentrations below the DEQ minimum allowable instantaneous criteria (4.0 mg/l). TSI calculations indicate the station is not stratified.

Sources: Source Unknown

TMDL Watershed Name: **Little Calfpasture River**

TMDL Group ID: **00371**

VAV-I32R_LCF01A00	Little Calfpasture River	ROCKBRIDGE CO	Little Calfpasture River from the Lake Merriweather Dam downstream to its confluence with the Calfpasture River.

VA Overall AU Category: **5A**

Use	Impairment	0.83 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		00371	**1996**	**2008**	

Sources: Upstream Impoundments (e.g., PI-566 NRCS Structures)

TMDL Group ID: **01678**

VAV-I32R_LCF03A00	Little Calfpasture River	AUGUSTA CO	Little Calfpasture River from the headwaters downstream to its confluence with Smith Creek.

VA Overall AU Category: **5A**

Use	Impairment	10.33 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		01678	**2004**	**2016**	

Sources: Non-Point Source
Wildlife Other than Waterfowl

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Little Patterson Creek**

TMDL Group ID: **01699**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAW-I22R_LIP01A04	Little Patterson Creek	BOTETOURT CO	Little Patterson Creek from just upstream of the Rt. 684 (Sugar Tree Hollow Rd.) crossing downstream to its confluence with Patterson Creek.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	3.65 MILES	01699	**2004**	**2016**	

Sources: Livestock (Grazing or Feeding Operations)
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)
Unspecified Domestic Waste
Wildlife Other than Waterfowl

TMDL Watershed Name: **Little Sayler's Creek**

TMDL Group ID: **50099**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAC-J06R_LIU01A02	Little Sayler's Creek	PRINCE EDWARD CO	Little Sayler's Creek from headwaters to Sayler's Creek

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	6.62 MILES	50099	**2006**	**2018**	

Sources: Source Unknown

TMDL Watershed Name: **Lonestar Lake G (PWS)**

TMDL Group ID: **76035**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAT-G11L_LSL01G06	Lonestar Lake G (PWS)	SUFFOLK CITY	Upstream impounded portions of Chuckatuck Creek. Pond north and adjacent to Chuckatuck Creek. Water supply system composed of flooded borrow pits. Suffolk PWS component.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	90.00 ACRES	76035	**2006**	**2018**	The Aquatic Life Use is impaired based on dissolved oxygen concentrations below the minimum allowable instantaneous criteria of 4.0 mg/l. Failure to meet the dissolved oxygen concentrations below the minimum allowable instantaneous criteria as recorded at the DEQ (Lake) monitoring station @ 2-LSL000.04 (15 vioates / 45 observations). TSI calculation for [lake G] 2-LSL000.04, (epilimnion) indicates impairment due to anthropogenic sources { Category 5A} and Eutrophic Category = Eutrophic (TSI 60-79).

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Marrowbone Creek**

TMDL Group ID: **00741**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAC-J03L_MBN01A06	**Sandy River Reservoir - Marrowbone Arm**	PRINCE EDWARD CO	Sandy River Reservoir

VA Overall AU Category:	5A	Impairment	160.57 ACRES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Use							
Aquatic Life		**Oxygen, Dissolved**		00741	**2006**	**2014**	

Sources: Source Unknown

TMDL Watershed Name: **Maury River**

TMDL Group ID: **00618**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAV-I37R_MRY01A00	**Maury River**	ROCKBRIDGE CO	Maury River from its confluence with Buffalo Creek downstream to its confluence with the James River.

VA Overall AU Category:	5A	Impairment	5.77 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Use							
Fish Consumption		**PCB in Fish Tissue**		00618	**2006**	**2016**	Newly listed for PCB's in 2006 due to VDH Fish Consumption Advisory.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAV-I37R_MRY02A00	**Maury River**	BUENA VISTA CITY ROCKBRIDGE CO	Maury River from its confluence with Indian Gap Run downstream to its confluence with Buffalo Creek.

VA Overall AU Category:	5A	Impairment	7.10 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Use							
Fish Consumption		**PCB in Fish Tissue**		00618	**2006**	**2016**	Newly listed for PCB's in 2006 due to VDH Fish Consumption Advisory.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAV-I37R_MRY03A00	**Maury River**	BUENA VISTA CITY ROCKBRIDGE CO	Maury River from its confluence with South River downstream to its confluence with Indian Gap Run.

VA Overall AU Category:	5A	Impairment	4.59 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Use							
Fish Consumption		**PCB in Fish Tissue**		00618	**2004**	**2016**	

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Maury River**

TMDL Group ID: **01683**

VAV-I37R_MRY02A00 **Maury River** BUENA VISTA CITY ROCKBRIDGE CO Maury River from its confluence with Indian Gap Run downstream to its confluence with Buffalo Creek.

VA Overall AU Category: **5A**

Use	Impairment	7.10 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		01683	**1998**	**2010**	The Benthic Assessments have always fully supported the Aquatic Life Use. EPA mistakenly allowed this segment to be added to the 1998 Consent Decree when it was fully supporting.

Sources: Source Unknown

TMDL Group ID: **50253**

VAV-I33R_MRY01A00 **Maury River** ROCKBRIDGE CO Maury River from its confluence with Taylor Branch downstream to its confluence with Kerrs Creek.

VA Overall AU Category: **5A**

Use	Impairment	13.61 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		50253	**2006**	**2018**	Newly listed for bacteria in 2006.

Sources: Non-Point Source
Wildlife Other than Waterfowl

VAV-I33R_MRY02A04 **Maury River** ROCKBRIDGE CO Maury River from its confluence with the Calfpasture River/Cowpasture River downstream to its confluence with Taylor Branch.

VA Overall AU Category: **5A**

Use	Impairment	5.97 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		50253	**2006**	**2018**	Newly listed for bacteria in 2006.

Sources: Non-Point Source
Wildlife Other than Waterfowl

TMDL Group ID: **50256**

VAV-I37R_MRY03A00 **Maury River** BUENA VISTA CITY ROCKBRIDGE CO Maury River from its confluence with South River downstream to its confluence with Indian Gap Run.

VA Overall AU Category: **5A**

Use	Impairment	4.59 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		50256	**2006**	**2018**	Newly listed for bacteria in 2006.

Sources: Municipal (Urbanized High Density Area)
Non-Point Source
Wildlife Other than Waterfowl

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Meadow Creek**

TMDL Group ID: **01667**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAV-H28R_MWC01A00	**Meadow Creek**	ALBEMARLE CO CHARLOTTESVILLE CITY	Meadow Creek from where it becomes a perennial stream downstream to its confluence with the Rivanna River.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	4.01 MILES	01667	**2002**	**2014**	

Sources: Municipal (Urbanized High Density Area)
Non-Point Source
Wildlife Other than Waterfowl

TMDL Group ID: **40007**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAV-H28R_MWC01A00	**Meadow Creek**	ALBEMARLE CO CHARLOTTESVILLE CITY	Meadow Creek from where it becomes a perennial stream downstream to its confluence with the Rivanna River.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**	4.01 MILES	40007	**2006**	**2018**	Newly listed for benthics in 2006.

Sources: Non-Point Source

TMDL Watershed Name: **Meadow Creek Lower**

TMDL Group ID: **50035**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAW-I20R_MEO01A00	**Meadow Creek Lower**	CRAIG CO	Meadow Creek mainstem from its mouth on Craig Creek upstream just above the Rt. 42 crossing.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Temperature, water**	2.53 MILES	50035	**2006**	**2018**	Category 5C

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Meadow Creek, Lower**

TMDL Group ID: **01694**

VAW-I20R_MEO01A00 **Meadow Creek Lower** CRAIG CO Meadow Creek mainstem from its mouth on Craig Creek upstream just above the Rt. 42 crossing.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		01694	**2004**	**2016**	

Sources: Livestock (Grazing or Feeding Operations)
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)
Unspecified Domestic Waste
Wildlife Other than Waterfowl

TMDL Watershed Name: **Mechums River**

TMDL Group ID: **50245**

VAV-H23R_MCM01A00 **Mechums River** ALBEMARLE CO Mechums River from its confluence with Lickinghole Creek downstream to its confluence with the Moormans River.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		50245	**2006**	**2018**	Newly listed for bacteria in 2006.

Sources: Non-Point Source
Wildlife Other than Waterfowl

TMDL Group ID: **50316**

VAV-H23R_MCM02A00 **Mechums River** ALBEMARLE CO NELSON CO Mechums River from the headwaters downstream to its confluence with Lickinghole Creek.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		50316	**2004**	**2016**	

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Mill Creek**

TMDL Group ID: **00345**

VAT-G10E_MIC01A00	Mill Creek	JAMES CITY CO	North of Jamestown Island area, tributary to the Thorofare embayment. From end of tidal waters downstream to the mouth. Portion of CBP segment JMSOH.Portion of DSS (ADMINISTRATIVE) shellfish direct harvesting condemnation # 060-069 B.

VA Overall AU Category: **5A**

Use	Impairment	0.08 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Enterococcus**		00345	**2006**	**2010**	The Recreation Use is impaired (9 violate / 14 obs.) due to exceedance of the instantaneous criteria for Enterococcus bacteria. The previous Fecal Coliform indicator bacteria impairment (VAT-G10E-03) no longer applies, replaced by Enterococcus criteria impairment since threshold of 12 observations reached, with TMDL ID and due date same as original FC impairment.

Sources: Source Unknown

TMDL Group ID: **01166**

VAP-G08R_MCR01A04	Mill Creek	JAMES CITY CO	Headwaters to tidal limit

VA Overall AU Category: **5C**

Use	Impairment	5.29 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01166	**2004**	**2016**	VAP-G08R-02 Mill Creek was initially assessed as not supporting of the Aquatic Life use support (ALUS) goal in 2004 based on pH and DO violations at the Route 603 bridge (2-MCR002.38). During the 2006 cycle, the segment remained impaired for DO with a violation rate of 3/21.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

TMDL Group ID: **01168**

VAP-G08R_MCR01A04	Mill Creek	JAMES CITY CO	Headwaters to tidal limit

VA Overall AU Category: **5C**

Use	Impairment	5.29 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		01168	**2004**	**2016**	VAP-G08R-02 Mill Creek was assessed not supporting of the Recreation use support goal based on a fecal coliform violation rate of 3/13 recorded at 2-MCR002.38.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Mill Creek**

TMDL Group ID: **50252**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAV-I30R_MIT01A02	Mill Creek	BATH CO ROCKBRIDGE CO	Mill Creek from the headwaters downstream to its confluence with the Calfpasture River.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	20.92 MILES	50252	**2006**	**2018**	Newly listed for bacteria in 2006.

Sources: Non-Point Source
Wildlife Other than Waterfowl

TMDL Group ID: **50255**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAV-I35R_MIS01A00	Mill Creek	ROCKBRIDGE CO	Mill Creek from the headwaters downstream to its confluence with the Maury River.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	8.60 MILES	50255	**2006**	**2018**	Newly listed for bacteria in 2006.

Sources: Non-Point Source
Wildlife Other than Waterfowl

TMDL Watershed Name: **Mill Creek, Lower**

TMDL Group ID: **01692**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAW-I18R_MIV01A00	Mill Creek Lower	BOTETOURT CO	Mill Creek mainstem from its mouth on the James River on upstream of the Rebecca Furnace community and downstream of the Allen Creek mouth.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	4.93 MILES	01692	**2004**	**2016**	

Sources: Livestock (Grazing or Feeding Operations)
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)
Unspecified Domestic Waste
Wildlife Other than Waterfowl

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Mill Creek, Lower**

TMDL Group ID: **01700**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAW-I22R_MIU01A02	**Mill Creek Lower**	CRAIG CO	Mill Creek mainstem from its confluence on Craig Creek upstream 2.1 miles.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**	2.04 MILES	01700	**2004**	**2016**	

Sources: Impacts from Abandoned Mine Lands (Inactive)
Mine Tailings

TMDL Watershed Name: **Mill Creek, Upper**

TMDL Group ID: **01701**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAW-I22R_MIU02A02	**Mill Creek Upper**	CRAIG CO	Mill Creek mainstem from 2.1 miles upstream of its mouth on Craig Creek upstream to its headwaters.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**	3.96 MILES	01701	**2004**	**2016**	

Sources: Impacts from Abandoned Mine Lands (Inactive)
Mine Tailings

TMDL Watershed Name: **Moffatts Creek**

TMDL Group ID: **50044**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAV-I34R_MOF01A00	**Moffatts Creek**	AUGUSTA CO ROCKBRIDGE CO	Moffatts Creek from the headwaters downstream to its confluence with Hays Creek.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Temperature, water**	7.65 MILES	50044	**2006**	**2018**	Newly listed for temperature in 2006.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Montebello Spring Branch**

TMDL Group ID: **00089**

VAV-H09R_MSB01A00	**Montebello Spring Branch**	NELSON CO	Montebello Spring Branch from the spring downstream to its confluence with Mill Creek.

VA Overall AU Category: **5D**

Use	Impairment	0.02 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		00089	**1998**	**2002**	Federal TMDL ID # 20746

Sources: Aquaculture (Permitted)

TMDL Group ID: **01650**

VAV-H09R_MSB01A00	**Montebello Spring Branch**	NELSON CO	Montebello Spring Branch from the spring downstream to its confluence with Mill Creek.

VA Overall AU Category: **5D**

Use	Impairment	0.02 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		01650	**2004**	**2016**	

Sources: Source Unknown

TMDL Watershed Name: **Moores Creek**

TMDL Group ID: **40009**

VAV-I36R_MRC01A00	**Moores Creek**	ROCKBRIDGE CO	Moores Creek and tributaries from the headwaters downstream to its confluence with the South River.

VA Overall AU Category: **5A**

Use	Impairment	8.42 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		40009	**2006**	**2018**	Newly listed for benthics in 2006.

Sources: Non-Point Source
Wildlife Other than Waterfowl

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Moores Creek, X-Tributary**

TMDL Group ID: **40006**

VAV-H28R_XRC01A04	Moores Creek X-Trib	CHARLOTTESVILLE CITY	Moores Creek X-trib from the headwaters downstream to its confluence with Moores Creek.

VA Overall AU Category: **5A**

Use	Impairment	1.57 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		40006	**2006**	**2018**	Newly listed for benthics in 2006.

Sources: Non-Point Source

TMDL Watershed Name: **Moormans River North Fork**

TMDL Group ID: **01665**

VAV-H24R_MNF01A00	Moormans River North Fork	ALBEMARLE CO	North Fork Moormans River and tributaries from the headwaters downstream to the Charlottesville Reservoir.

VA Overall AU Category: **5A**

Use	Impairment	11.04 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01665	**2004**	**2016**	

Sources: Source Unknown

TMDL Watershed Name: **Morris Creek**

TMDL Group ID: **00341**

VAP-G08R_MOC01A98	Morris Creek	CHARLES CITY CO	Morris Creek from its headwaters to the fall line at river mile 6.

VA Overall AU Category: **5A**

Use	Impairment	7.72 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		00341	**2002**	**2014**	VAP-G08R-01

Morris Creek was assessed in 2004 as not supporting of the Recreation use support goal based on a fecal coliform violation rate of 3/20 recorded at 2-MOC005.97. The segment was listed as threatened in 1998, and then downgraded to impaired during the 2002 cycle, therefore the TMDL is due in 2014. There has been no additional monitoring at this station since 2001, therefore the segment remains impaired although there are no fecal coliform violations during the assessment window. Further monitoring is recommended.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Morris Creek**

TMDL Group ID: **00342**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-G08R_MOC01A98	Morris Creek	CHARLES CITY CO	Morris Creek from its headwaters to the fall line at river mile 6.

VA Overall AU Category: **5A**

Use	Impairment	7.72 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		00342	**1998**	**2010**	VAP-G08R-01

Morris Creek was assessed as not supporting of the Aquatic Life use support (ALUS) goal based on water quality monitoring performed at the Route 623 bridge (2-MOC005.97). Relative to the ALUS assessment, there were 3 violations of the DO standard, and 4 violations of the pH standard, recorded in 10 samples collected during the 2006 cycle. The segment was initially listed in 1998, therefore the DO and pH TMDLs are due in 2010.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

TMDL Group ID: **00343**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-G08R_MOC01A98	Morris Creek	CHARLES CITY CO	Morris Creek from its headwaters to the fall line at river mile 6.

VA Overall AU Category: **5A**

Use	Impairment	7.72 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		00343	**1998**	**2010**	VAP-G08R-01

Morris Creek was assessed as not supporting of the Aquatic Life use support (ALUS) goal based on water quality monitoring performed at the Route 623 bridge (2-MOC005.97). Relative to the ALUS assessment, there were 3 violations of the DO standard, and 4 violations of the pH standard, recorded in 10 samples collected during the 2006 cycle. The segment was initially listed in 1998, therefore the DO and pH TMDLs are due in 2010.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

TMDL Watershed Name: **Muddy Creek**

TMDL Group ID: **10014**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-H33R_MUY01B00	Muddy Creek	CUMBERLAND CO POWHATAN CO	Muddy Creek from the confluence of Davis Creek downstream to the mouth at the James River.

VA Overall AU Category: **5A**

Use	Impairment	3.67 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		10014	**2006**	**2018**	VAP-H33R-04

Muddy Creek was assessed as not supporting of the Recreation Use goals in the 2006 cycle based on a fecal coliform violation rate of 2/12 at the Route 684 bridge (2-MUY001.23).

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Nansemond River**

TMDL Group ID: **76038**

VAT-G13E_NAN01A00 — **Nansemond River - Upper** — SUFFOLK CITY

Upper Nansemond River. Extends from most upstream point in river at Lake Meade Dam (RM 19.8) downstream to Rt. 58/460 crossing (RM 15.2). Portion of CBP segment JMSMH. Portion of DSS shellfish condemnation # 063-008.

VA Overall AU Category: **5A**

Use	Impairment	0.26 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Estuarine Bioassessments**		76038	**2006**	**2018**	The Aquatic Life Use is impaired based on failure to meet a statistical evaluation constituting an un-impacted benthic organism population per CBP (Benthic-BIBI) analysis (VERSAR-2005). The source/stressor tool yielded sediment contaminants as the source for the impairment. This segment was not previously identified as impaired for impacted benthic organism population per CBP (Benthic-BIBI) analysis. Listed under TMDL ID: VAT-G13E-08.

Sources: Contaminated Sediments

VAT-G13E_NAN02A06 — **Nansemond River - Upper Middle** — SUFFOLK CITY

Downstream of Suffolk. From Rt 58/460 (RM 15.1) crossing downstream to confluence with the Western Branch from the Reservoir (RM 11.9). Portion of the CBP segment JMSMH. Portion of DSS shellfish condemnation # 063-008.

VA Overall AU Category: **5A**

Use	Impairment	0.21 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Estuarine Bioassessments**		76038	**2006**	**2018**	The Aquatic Life Use is impaired based on failure to meet a statistical evaluation constituting an un-impacted benthic organism population per CBP (Benthic-BIBI) analysis (VERSAR-2005). The source/stressor tool yielded sediment contaminants as the source for the impairment. This segment was not previously identified as impaired for impacted benthic organism population per CBP (Benthic-BIBI) analysis. Listed under TMDL ID: VAT-G13E-08.

Sources: Contaminated Sediments

VAT-G13E_NAN03A06 — **Nansemond River - Lower Middle** — SUFFOLK CITY

In area of Western Branch Reservoir. From confluence with Western Br. (RM 11.8) downstream to a line from Sleepy Hole Pt to Lobo on west shore (0.8 mi. downstream Rt 125, RM 7.5). CBP segment JMSMH. Portion of DSS shellfish condemnation # 063-008.

VA Overall AU Category: **5A**

Use	Impairment	1.96 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Estuarine Bioassessments**		76038	**2006**	**2018**	The Aquatic Life Use is impaired based on failure to meet a statistical evaluation constituting an un-impacted benthic organism population per CBP (Benthic-BIBI) analysis (VERSAR-2005). The source/stressor tool yielded sediment contaminants as the source for the impairment. This segment was not previously identified as impaired for impacted benthic organism population per CBP (Benthic-BIBI) analysis. Listed under TMDL ID: VAT-G13E-08.

Sources: Contaminated Sediments

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Nansemond River**

TMDL Group ID: **76038**

VAT-G13E_NAN04A00	Nansemond River - Lower	SUFFOLK CITY	Nansemond R nearer mouth. from a line from Sleepy Hole Pt on east shore to Lobo on west (0.8 mi. downstream of Rt 125, RM 7.5) downstream to mouth. CBP segment JMSMH. Portion of DSS (OPEN) shellfish direct harvesting condemnations # 063- 008 & 057-069 F.

VA Overall AU Category: **5A**

Use	Impairment	7.66 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Estuarine Bioassessments**		76038	**2006**	**2018**	The Aquatic Life Use is impaired based on failure to meet a statistical evaluation constituting an un-impacted benthic organism population per CBP (Benthic-BIBI) analysis (VERSAR-2005). The source/stressor tool yielded sediment contaminants as the source for the impairment. This segment was not previously identified as impaired for impacted benthic organism population per CBP (Benthic-BIBI) analysis. Listed under TMDL ID: VAT-G13E-08.

Sources: Contaminated Sediments

TMDL Watershed Name: **Nansemond River, Unsegmented Estuaris (no DSS condemnation)**

TMDL Group ID: **76143**

VAT-G13E_ZZZ01A00	Unsegmented estuaries - no DSS condemnation in G13E	SUFFOLK CITY	Lower Nansemond River unsegmented tributaries without a DSS condemnation. Portion of CBP segment JMSMH. Portion of CBP segment JMSMH. Portion of DSS (OPEN) shellfish direct harvesting condemnations # 063- 008 & 057-069 F.

VA Overall AU Category: **5A**

Use	Impairment	0.19 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		76143	**2006**	**2010**	Portion of DSS shellfish direct harvesting condemnation # 063- 008.

Sources: Source Unknown

TMDL Watershed Name: **Nansemond River, Upper (Lake Meade)**

TMDL Group ID: **00332**

VAT-G13E_NAN01A00	Nansemond River - Upper	SUFFOLK CITY	Upper Nansemond River. Extends from most upstream point in river at Lake Meade Dam (RM 19.8) downstream to Rt. 58/460 crossing (RM 15.2). Portion of CBP segment JMSMH. Portion of DSS shellfish condemnation # 063-008.

VA Overall AU Category: **5A**

Use	Impairment	0.26 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Enterococcus**		00332	**1994**	**2010**	The Recreation Use is impaired due to exceedance of the instantaneous criteria for Enterococcus bacteria, as recorded at the associated DEQ (AQM) monitoring station @ 2-NAN019.14 (15 violates / 34 observations). The previous Fecal Coliform indicator bacteria impairment (VAT-G13E-03) no longer applies, replaced by Enterococcus criteria impairment since threshold of 12 observations reached, with TMDL ID and due date same as original FC impairment.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Nansemond River, Upper and Middle**

TMDL Group ID: **01295**

VAT-G13E_NAN01A00 — **Nansemond River - Upper** — SUFFOLK CITY

Upper Nansemond River. Extends from most upstream point in river at Lake Meade Dam (RM 19.8) downstream to Rt. 58/460 crossing (RM 15.2). Portion of CBP segment JMSMH. Portion of DSS shellfish condemnation # 063-008.

VA Overall AU Category: **5A**

Use	Impairment	Impairment	0.26 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**			01295	**1994**	**2010**	Portion of DSS shellfish condemnation # 063-008.

Sources: Source Unknown

VAT-G13E_NAN02A06 — **Nansemond River - Upper Middle** — SUFFOLK CITY

Downstream of Suffolk. From Rt 58/460 (RM 15.1) crossing downstream to confluence with the Western Branch from the Reservoir (RM 11.9). Portion of the CBP segment JMSMH. Portion of DSS shellfish condemnation # 063-008.

VA Overall AU Category: **5A**

Use	Impairment	Impairment	0.21 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**			01295	**2002**	**2010**	Portion of DSS shellfish condemnation # 063-008.

Sources: Source Unknown

VAT-G13E_NAN03A06 — **Nansemond River - Lower Middle** — SUFFOLK CITY

In area of Western Branch Reservoir. From confluence with Western Br. (RM 11.8) downstream to a line from Sleepy Hole Pt to Lobo on west shore (0.8 mi. downstream Rt 125, RM 7.5). CBP segment JMSMH. Portion of DSS shellfish condemnation # 063-008.

VA Overall AU Category: **5A**

Use	Impairment	Impairment	1.96 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**			01295	**2002**	**2010**	Portion of DSS shellfish condemnation # 063-008.

Sources: Source Unknown

VAT-G13E_NAN04A00 — **Nansemond River - Lower** — SUFFOLK CITY

Nansemond R nearer mouth. from a line from Sleepy Hole Pt on east shore to Lobo on west (0.8 mi. downstream of Rt 125, RM 7.5) downstream to mouth. CBP segment JMSMH. Portion of DSS (OPEN) shellfish direct harvesting condemnations # 063- 008 & 057-069 F.

VA Overall AU Category: **5A**

Use	Impairment	Impairment	7.66 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**			01295	**2002**	**2010**	Portion of DSS shellfish condemnation # 063-008.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Nansemond River, Western Branch**

TMDL Group ID: **76142**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAT-G13E_WBN01A06	**Western Branch - Nansemond River**	SUFFOLK CITY	Western shore branch off the Nansemond R. South of the Reids Ferry area. Downstream of the Western Branch Reservoir, prior to reaching the Nansemond River. Portion of CBP segment JMSMH. Portion of DSS shellfish direct harvesting condemnation # 063- 008.

VA Overall AU Category: **5A**

Use	Impairment	0.11 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		76142	**2006**	**2010**	Portion of DSS shellfish direct harvesting condemnation # 063- 008.

Sources: Source Unknown

TMDL Watershed Name: **No Name Creek (Unnamed Tributary to the James Rive**

TMDL Group ID: **01130**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-G01R_XSZ01A04	**No Name Creek (UT to James River)**	CHESTERFIELD CO	Headwaters to mouth including multiple unnamed tributaries to XSZ

VA Overall AU Category: **5A**

Use	Impairment	1.83 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		01130	**2004**	**2016**	VAP-G01R-08 The segment was assessed as not supporting the Recreation Use based on the following fecal coliform violation rates: 2/2 at 2-XTC000.08 1/1 at 2-XUH000.01 2/2 at 2-XUI000.01

Sources: Source Unknown

TMDL Watershed Name: **North Creek**

TMDL Group ID: **00731**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAC-H20R_NOR02A02	**North Creek**	FLUVANNA CO	North Creek from first tributary to North Creek to fourth unnamed tributary to North Creek.

VA Overall AU Category: **5A**

Use	Impairment	1.24 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		00731	**2002**	**2014**	

Sources: Municipal Point Source Discharges

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **North River**

TMDL Group ID: **00736**

VAC-H21R_NTH01A00	North River	BUCKINGHAM CO	The North River from the confluence with Meadow Creek to the mouth at the Slate River.

VA Overall AU Category: **5A**

Use	Impairment	8.44 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		00736	**2002**	**2014**	

Sources: Source Unknown

TMDL Watershed Name: **North Run**

TMDL Group ID: **10004**

VAP-G05R_NTR02A06	North Run	HENRICO CO	North Run from its headwaters to Hungary Creek.

VA Overall AU Category: **5A**

Use	Impairment	3.65 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		10004	**2006**	**2018**	VAP-G05R-09

North Run from its headwaters to the confluence with Hungary Creek was assessed as not supporting the Aquatic Life Use based on a pH violation rate of 2/6 at 2-NTR005.53.

Sources: Source Unknown

TMDL Watershed Name: **Oldtown Creek**

TMDL Group ID: **01206**

VAP-J15R_OTC01A00	Oldtown Creek	CHESTERFIELD CO COLONIAL HEIGHTS CITY	Oldtown Creek from the confluence with Big Branch to the fall line.

VA Overall AU Category: **5A**

Use	Impairment	3.57 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01206	**2004**	**2016**	VAP-J15R-02

In 2004, this segment was listed as not supporting for aquatic life use due to low dissolved oxygen violations at station 2-OTC001.54. The violations are unknown, but considered to be due to natural conditions, therefore the segment was assessed as Cat 5C for the DO impairment.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Oldtown Creek**

TMDL Group ID: **15010**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-J15R_OTC01A00	**Oldtown Creek**	CHESTERFIELD CO COLONIAL HEIGHTS CITY	Oldtown Creek from the confluence with Big Branch to the fall line.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	3.57 MILES	15010	**2006**	**2018**	15010 (FC) VAP-J15R-02 In 2006, the segment was assessed as not supporting for recreation use due to a fecal coliform violation rate of 2/12 at station 2-OTC001.54.

Sources: Source Unknown

TMDL Watershed Name: **Opposum Creek**

TMDL Group ID: **00767**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAC-H05R_OPP01A00	**Opposum Creek**	CAMPBELL CO	Opossum Creek mainstem from its mouth on the James River upstream to the Rt. 660 crossing.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	2.86 MILES	00767	**2004**	**2016**	

Sources: Source Unknown

TMDL Watershed Name: **Otts Creek**

TMDL Group ID: **40114**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAV-I34R_OTS01A00	**Otts Creek**	AUGUSTA CO ROCKBRIDGE CO	Otts Creek from its confluence with an unnamed tributary at the Route 726 bridge crossing downstream to its confluence with Moffatts Creek.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	5.13 MILES	40114	**2006**	**2018**	

Sources: Non-Point Source
Wildlife Other than Waterfowl

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Oyster House Creek - Tributary to Nansemond R.**

TMDL Group ID: **76140**

VAT-G13E_OYS01A06	Oyster House Creek - Tributary to Nansemond R.	SUFFOLK CITY	Eastern shore trib. to Nansemond R., west of the Bailey town area. Drains the Beamon area. From headwaters to mouth, not including the Star Creek tributary. Portion of CBP segment JMSMH. Portion of DSS shellfish direct harvesting condemnation # 063- 008.

VA Overall AU Category: **5A**

Use	Impairment	0.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		76140	**2006**	**2010**	Portion of DSS shellfish direct harvesting condemnation # 063- 008.

Sources: Source Unknown

TMDL Watershed Name: **Pagan River**

TMDL Group ID: **00348**

VAT-G11E_PGN01A06	Pagan River - Upstream of Mouth	ISLE OF WIGHT CO	Located in Smithfield area. South shore tributary to James R. From end of tide downstream to narrowing north of Battery Park. Portion of CBP segment JMSMH. DSS shellfish direct harvesting condemnation # 061-064 A.

VA Overall AU Category: **5A**

Use	Impairment	1.00 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Enterococcus**		00348	**2006**	**2010**	The Recreation Use is impaired at all of the associated monitoring stations due to exceedance of the instantaneous criteria for Enterococcus bacteria. The previous Fecal Coliform indicator bacteria impairment (VAT-G11E-05) no longer applies, replaced by Enterococcus criteria impairment since threshold of 12 observations reached, with TMDL ID and due date same as original FC impairment.

Sources: Source Unknown

TMDL Group ID: **01288**

VAT-G11E_PGN01A06	Pagan River - Upstream of Mouth	ISLE OF WIGHT CO	Located in Smithfield area. South shore tributary to James R. From end of tide downstream to narrowing north of Battery Park. Portion of CBP segment JMSMH. DSS shellfish direct harvesting condemnation # 061-064 A.

VA Overall AU Category: **5A**

Use	Impairment	1.00 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01288	**2006**	**2010**	

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Pagan River, Upper Tidal**

TMDL Group ID: **01289**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAT-G11E_PGN02A06	**Pagan River - Mouth Area**	ISLE OF WIGHT CO	Located in Smithfield area. South shore tributary to James R. From narrowing north of Battery Park downstream to mouth. Portion of CBP segment JMSMH. DSS shellfish direct harvesting condemnation # 061-064 A.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**	1.00	SQUARE MILES	01289	**2006**	**2010**	

Sources: Source Unknown

TMDL Watershed Name: **Paradise Creek - Southern Br. Elizabeth R.**

TMDL Group ID: **76040**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAT-G15E_PAR01A06	**Paradise Creek - Southern Br. Elizabeth R.**	CHESAPEAKE CITY PORTSMOUTH CITY	Located south of Norfolk Naval Shipyard. Eastern shore tributary to Southern Branch. Entirety of Creek. Portion of CBP segment SBEMH. DSS (ADMINISTRATIVE) shellfish direct harvesting condemnation # 065-007 E.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Enterococcus**	0.06	SQUARE MILES	76040	**2006**	**2018**	The Recreation Use is impaired due to exceedance of the instantaneous criteria (2-PAR000.12, 5 violates / 15 observations; 2-PAR000.77, 13 violates / 15 observations; 2-PAR001.77, 15 violates / 15 observations) for Enterococcus bacteria.

Sources: Source Unknown

TMDL Watershed Name: **Pedlar Lake**

TMDL Group ID: **00762**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAC-H02L_POL01A02	**Pedlar Lake**	AMHERST CO	Pedlar Reservoir from its impounding structure to its backwaters.

VA Overall AU Category: **5C**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**	116.98	ACRES	00762	**2004**	**2016**	

Sources: Changes in Ordinary Stratification and Bottom Water Hypoxia/Anoxia

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Pedlar River**

TMDL Group ID: **50083**

VAC-H02R_POL02A00 **Pedlar River** AMHERST CO

Pedlar River mainstem from the Little Cedar Creek mouth upstream to the mouth of an unnamed tributary located just downstream of the Rt. 610 crossing and upstream of the Little Dancing Creek mouth.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	2.47 MILES	50083	**2006**	**2018**	

Sources: Non-Point Source

VAC-H02R_POL03A02 **Pedlar River** AMHERST CO

Pedlar River mainstem from an unnamed tributary's confluence with the Pedlar River, just downstream of the Rt. 610 crossing upstream to the mouth of Enchanted Creek.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	7.02 MILES	50083	**2006**	**2018**	

Sources: Non-Point Source

TMDL Watershed Name: **Piney Branch**

TMDL Group ID: **50067**

VAV-I30R_XGR01A06 **Piney Branch** ROCKBRIDGE CO

Piney Branch from the headwaters downstream to its confluence with Guys Run.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**	2.23 MILES	50067	**2006**	**2018**	Newly listed for pH in 2006.

Sources: Atmospheric Deposition - Acidity

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Pitch Kettle Creek - Lake (PWS)**

TMDL Group ID: **76570**

VAT-G12L_PKC01A06	Pitch Kettle Creek - Lake (PWS)	SUFFOLK CITY	Northwest of Suffolk Municipal Airport. North of Lake Kilby and south of Lake Meade. Section between Lake Kilby and Lake Meade (headwater impoundments of Nansemond River). Portion of Portsmouth PWS system.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	115.00 ACRES	76570	**2006**	**2018**	The Aquatic Life Use is impaired (27 vilolates / 35 observations) based on dissolved oxygen concentrations below the DEQ minimum allowable instantaneous criteria (4.0 mg/l). TSI calculation for 2-LKK000.80, (epilimnion) indicates impairment due to anthropogenic sources { Category 5A} and Eutrophic Category = Eutrophic (TSI 60-79).

Sources: Source Unknown

TMDL Watershed Name: **Pocoshock Creek**

TMDL Group ID: **10003**

VAP-G01R_PSK01A04	Pocoshock Creek	CHESTERFIELD CO RICHMOND CITY	Headwaters to mouth at Falling Creek Reservoir

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	8.33 MILES	10003	**2006**	**2018**	VAP-G01R-10 During the 2006 cycle, the fecal coliform violation rate was 2/12 at 2-PSK000.23. Monitoring ceased in 2001, therefore additional monitoring is recommended.

Sources: Source Unknown

TMDL Watershed Name: **Porters Mill Creek**

TMDL Group ID: **50065**

VAV-I16R_XRI01A02	Porters Mill Creek	BATH CO	Porters Mill Creek and tributary from the headwaters downstream to its confluence with Mill Creek.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**	4.96 MILES	50065	**2006**	**2018**	Newly listed for pH in 2006.

Sources: Atmospheric Deposition - Acidity

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Potts Creek**

TMDL Group ID: **01691**

VAW-I10R_POT02A02 **Potts Creek Lower 2** ALLEGHANY CO Potts Creek mainstem from the mouth of Hamilton Branch upstream to the Alleghany / Craig County Line.

VA Overall AU Category: **5A**

Use	Impairment	3.97 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		01691	**2004**	**2016**	Category 5C

Sources: Source Unknown

VAW-I10R_POT03A02 **Potts Creek Lower Class V** ALLEGHANY CO Potts Creek from the Alleghany / Craig County Line upstream to the confluence of Paint Bank Branch.

VA Overall AU Category: **5A**

Use	Impairment	5.54 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		01691	**2004**	**2016**	Category 5C

Sources: Source Unknown

TMDL Group ID: **50262**

VAW-I10R_POT02A02 **Potts Creek Lower 2** ALLEGHANY CO Potts Creek mainstem from the mouth of Hamilton Branch upstream to the Alleghany / Craig County Line.

VA Overall AU Category: **5A**

Use	Impairment	3.97 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		50262	**2006**	**2018**	

Sources: Livestock (Grazing or Feeding Operations)
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)
Unspecified Domestic Waste
Wildlife Other than Waterfowl

VAW-I10R_POT03A02 **Potts Creek Lower Class V** ALLEGHANY CO Potts Creek from the Alleghany / Craig County Line upstream to the confluence of Paint Bank Branch.

VA Overall AU Category: **5A**

Use	Impairment	5.54 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		50262	**2006**	**2018**	

Sources: Livestock (Grazing or Feeding Operations)
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)
Unspecified Domestic Waste
Wildlife Other than Waterfowl

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Potts Creek, Lower**

TMDL Group ID: **50034**

VAW-I10R_POT03A02	Potts Creek Lower Class V	ALLEGHANY CO	Potts Creek from the Alleghany / Craig County Line upstream to the confluence of Paint Bank Branch.

VA Overall AU Category: **5A**

Use	Impairment	5.54 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Temperature, water**		50034	**2006**	**2018**	Category 5C

Sources: Source Unknown

TMDL Watershed Name: **Powell Creek**

TMDL Group ID: **01146**

VAP-G03R_PWL01A04	Powell Creek	PRINCE GEORGE CO	Headwaters to tidal limit

VA Overall AU Category: **5A**

Use	Impairment	6.92 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		01146	**2004**	**2016**	VAP-G03R-05

Powell Creek was initially assessed as impaired of the Recreation Use in 2004 based on fecal coliform violations at the Route 10 bridge (2-PWL005.73). During the 2006 cycle, the segment remained impaired (2/13).

Sources: Source Unknown

TMDL Watershed Name: **Powhatan Creek**

TMDL Group ID: **00346**

VAT-G10E_POW01A02	Powhatan Creek/Sandy Bay	JAMES CITY CO	West of Jamestown Island, north shore tributary to the James R. From end of tidal waters downstream to the mouth of Sandy Bay. Portion of CBP segment JMSOH.Portion of DSS (ADMINISTRATIVE) shellfish direct harvesting condemnation # 060-069 B.

VA Overall AU Category: **5A**

Use	Impairment	0.20 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Enterococcus**		00346	**2006**	**2010**	The Recreation Use is impaired (8 violate / 14 obs.) due to exceedance of the instantaneous criteria for Enterococcus bacteria. The previous Fecal Coliform indicator bacteria impairment no longer applies, replaced by Enterococcus criteria impairment since threshold of 12 observations reached, with TMDL due date same as original FC impairment.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Powhatan Creek**

TMDL Group ID: **01496**

VAT-G10R_POW01A00	Powhatan Creek	JAMES CITY CO	West of the Five Forks area. North of Jamestown Island, north shore tributary to the James R. Powhatan Creek from the confluence with Long Hill Swamp and Chisel Run downstream to the beginning of tidal waters.

VA Overall AU Category: **5A**

Use	Impairment	4.85 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		01496	**2004**	**2016**	The Recreatiion Use is impaired due to exceedance of the criteria for Fecal Coliform bacteria (4 violates / 31 obs.).

Sources: Source Unknown

TMDL Group ID: **01497**

VAT-G10R_POW01A00	Powhatan Creek	JAMES CITY CO	West of the Five Forks area. North of Jamestown Island, north shore tributary to the James R. Powhatan Creek from the confluence with Long Hill Swamp and Chisel Run downstream to the beginning of tidal waters.

VA Overall AU Category: **5A**

Use	Impairment	4.85 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		01497	**2004**	**2014**	The Aquatic Life Use is impaired based on impacts to the stream's benthic population as measured by DEQ's Benthic-Macroinvertebrate Bioassessments program at station 2-POW006.77. Benthic data assessment (Spring - 2000 and Fall - 2000) resulted in a moderate impairment rating for this station.

Sources: Source Unknown

TMDL Watershed Name: **Powhite Creek**

TMDL Group ID: **01190**

VAP-H39R_PWT01A98	Powhite Creek	CHESTERFIELD CO RICHMOND CITY	The mainstem of Powhite Creek.

VA Overall AU Category: **5A**

Use	Impairment	8.12 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		01190	**2002**	**2014**	VAP-H39R-05 Powhite Creek was assessed not supporting of the Recreation use goals based on a fecal coliform standard violation rate of 3/19 at the Route 635 (Forest Hill Avenue) bridge (2-PWT000.57.)

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Preddy Creek**

TMDL Group ID: **50246**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAV-H27R_PRD01A00	**Preddy Creek**	ALBEMARLE CO ORANGE CO	Preddy Creek and tributaries from the headwaters downstream to its confluence with the North Fork Rivanna River.

VA Overall AU Category: **5A**

Use	Impairment	25.96 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		50246	**2006**	**2018**	Newly listed for bacteria in 2006.

Sources: Non-Point Source
Wildlife Other than Waterfowl

TMDL Watershed Name: **Reedy Creek**

TMDL Group ID: **01191**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-H39R_RDD01A00	**Reedy Creek**	RICHMOND CITY	Reedy Creek from its headwaters to the James River.

VA Overall AU Category: **5A**

Use	Impairment	3.68 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		01191	**2006**	**2014**	VAP-H39R-06 The segment was previously listed as impaired for fecal coliform. During the 2006 cycle, the fecal coliform violation rate at 2-RDD000.19 was acceptable (0/6), however the E. coli violation rate was 2/8. The impairment has been converted to E. coli, but the original TMDL due date was maintained.

Sources: Source Unknown

TMDL Watershed Name: **Rivanna River**

TMDL Group ID: **00370**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAV-H28R_RVN01A00	**Rivanna River**	ALBEMARLE CO CHARLOTTESVILLE CITY	Rivanna River from its confluence with North/South Fork Rivanna downstream to its confluence with Moores Creek.

VA Overall AU Category: **5A**

Use	Impairment	5.28 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		00370	**1996**	**2010**	

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Rivanna River**

TMDL Group ID: **00370**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAV-H29R_RVN04A00	**Rivanna River**	ALBEMARLE CO	Rivanna River from its confluence with Moores Creek downstream to its confluence with an unnamed tributary just below the RWSA-Glemore STP.

VA Overall AU Category: **5A**

Use	Impairment	5.88 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		00370	**2006**	**2018**	Newly listed for benthics in 2006.

Sources: Source Unknown

TMDL Group ID: **50248**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAV-H28R_RVN01A00	**Rivanna River**	ALBEMARLE CO CHARLOTTESVILLE CITY	Rivanna River from its confluence with North/South Fork Rivanna downstream to its confluence with Moores Creek.

VA Overall AU Category: **5A**

Use	Impairment	5.28 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		50248	**2006**	**2018**	Newly listed for bacteria in 2006.

Sources: Non-Point Source

TMDL Watershed Name: **Rivanna River, North Fork**

TMDL Group ID: **50247**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAV-H27R_RRN01A00	**Rivanna River North Fork**	ALBEMARLE CO	North Fork Rivanna River from the RWSA NF Rivanna River Public Water Intake downstream to its confluence with the Rivanna River.

VA Overall AU Category: **5A**

Use	Impairment	10.38 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		50247	**2006**	**2018**	Newly listed for bacteria in 2006.

Sources: Non-Point Source
Wildlife Other than Waterfowl

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Rock Island Creek**

TMDL Group ID: **01657**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAV-H17R_RKI01A00	Rock Island Creek	BUCKINGHAM CO	Rock Island Creek from the headwaters downstream to its confluence with the James River.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	8.84 MILES	01657	**2004**	**2016**	

Sources: Non-Point Source
Wildlife Other than Waterfowl

TMDL Watershed Name: **Rockfish River**

TMDL Group ID: **50244**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAV-H16R_RKF02A00	Rockfish River	NELSON CO	Rockfish River from the headwaters downstream to its confluence with Davis Creek.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	6.51 MILES	50244	**2006**	**2018**	Newly listed for bacteria in 2006.

Sources: Non-Point Source
Wildlife Other than Waterfowl

TMDL Watershed Name: **Rockfish River South Fork**

TMDL Group ID: **01655**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAV-H15R_RFS01A00	Rockfish River South Fork	NELSON CO	South Fork Rockfish River from the headwaters downstream to its confluence with the Rockfish River.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	11.57 MILES	01655	**2004**	**2016**	

Sources: Non-Point Source
Wildlife Other than Waterfowl

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Rockfish River, North Fork**

TMDL Group ID: **50243**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAV-H15R_RFN01A00	**Rockfish River North Fork**	NELSON CO	North Fork Rockfish River from the headwaters downstream to its confluence with the Rockfish River.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	7.29 MILES	50243	**2006**	**2018**	Newly listed for bacteria in 2006.

Sources: Non-Point Source
Wildlife Other than Waterfowl

TMDL Watershed Name: **Rocky Ford Creek**

TMDL Group ID: **01198**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-J07R_RFD01A00	**Rocky Ford Creek**	POWHATAN CO	Rocky Ford Creek from its headwaters to the confluence with Fighting Creek.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	5.53 MILES	01198	**2004**	**2016**	VAP-J07R-02 Rocky Ford Creek was assessed not supporting of the Recreation use goal based on a fecal coliform violation rate of 6/20 at the Rt. 603 bridge (2-RFD002.58).

Sources: Source Unknown

TMDL Watershed Name: **Rohoic Creek**

TMDL Group ID: **15009**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-J15R_RHC01A06	**Rohoic Creek**	DINWIDDIE CO PETERSBURG CITY	Headwaters to mouth at Appomattox River

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	6.84 MILES	15009	**2006**	**2018**	15009 (FC) VAP-J15R-05 In 2006, this segment of Rohoic Creek was assessed as not supporting for the Recreation Use due to an E. coli violation rate of 2/9 at station 2-RHC000.58.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Roundabout Creek**

TMDL Group ID: **01140**

VAP-G02R_ROT02A00 **Roundabout Creek** HENRICO CO Roundabout Creek from the pond at river mile 2.04 to the James River.

VA Overall AU Category: **5C**

Use	Impairment	2.14 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		01140	**2004**	**2016**	VAP-G02R-02

Roundabout Creek was initially assessed as not supporting the Aquatic Life Use goal in 2004 based on pH violations at 2-ROT001.15. During the 2006 cycle, the segment remained impaired for pH with a violation rate of 4/28. In addition, the creek was impaired for dissolved oxygen with a violation rate of 3/15. The pH TMDL is due in 2016; the DO TMDL is due in 2018.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

TMDL Group ID: **10031**

VAP-G02R_ROT02A00 **Roundabout Creek** HENRICO CO Roundabout Creek from the pond at river mile 2.04 to the James River.

VA Overall AU Category: **5C**

Use	Impairment	2.14 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		10031	**2006**	**2018**	VAP-G02R-02

Roundabout Creek was initially assessed as not supporting the Aquatic Life Use goal in 2004 based on pH violations at 2-ROT001.15. During the 2006 cycle, the segment remained impaired for pH with a violation rate of 4/28. In addition, the creek was impaired for dissolved oxygen with a violation rate of 3/15. The pH TMDL is due in 2016; the DO TMDL is due in 2018.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

TMDL Watershed Name: **Rucker Run**

TMDL Group ID: **01653**

VAV-H13R_RKR01A00 **Rucker Run** NELSON CO Rucker Run from the headwaters downstream to its confluence with the Tye River.

VA Overall AU Category: **5A**

Use	Impairment	18.30 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		01653	**2004**	**2016**	

Sources: Non-Point Source
Wildlife Other than Waterfowl

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Rumley Marsh**

TMDL Group ID: **01165**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-G07R_RUM01A98	**Rumley Marsh**	NEW KENT CO	Rumley Marsh from its headwaters downstream to Old Forge Pond.

VA Overall AU Category: **5C**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	5.80 MILES	01165	**2002**	**2014**	VAP-G07R-02 Special studies conducted in Rumley Marsh and Jones Run in 1994 identified summertime DO violations in Rumley Marsh at station 2-RUM002.46. The segment was threatened in 1998 and downgraded in 2002. More monitoring needs to be conducted to verify impairment.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

TMDL Watershed Name: **Rutledge Creek**

TMDL Group ID: **00729**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAC-H12R_RTD01A00	**Rutledge Creek**	AMHERST CO	Rutledge Creek mainstem from the Town of Amherst outfall downstream to its mouth on the Buffalo River.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	3.16 MILES	00729	**2002**	**2014**	

Sources: Source Unknown

TMDL Watershed Name: **Saint Julian Creek**

TMDL Group ID: **00615**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAT-G15E_STJ01A04	**Saint Julian Creek**	CHESAPEAKE CITY	Northwest of Gilmerton Bridge. Eastern shore tributary to Southern Branch. Entirety of Creek. Portion of CBP segment SBEMH. Portion of the DSS (ADMINISTRATIVE) shellfish direct harvesting condemnation # 065-007 E.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.12 SQUARE MILES	00615	**2006**	**2016**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04. This segment was previously identified (2004 IR) as a site-specific impairment for PCBs in fish tissue concentrations under TMDL ID: VAT-G15E-01-07, this previous impairment TMDL due date is carried forward for this AU, rather than base the TMDL due date on the issuance date of the VDH PCB advisory.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Saint Marys River**

TMDL Group ID: **50068**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAV-I36R_SMR01A00	**Saint Marys River**	AUGUSTA CO	Saint Marys River from a point 1.77 miles above its confluence with Cellar Hollow downstream to its confluence with Cellar Hollow.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**	1.77 MILES	50068	**2006**	**2018**	Newly listed for pH in 2006.

Sources: Atmospheric Deposition - Acidity

TMDL Watershed Name: **Sandy River**

TMDL Group ID: **00169**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAC-J03R_SDY01A00	**Sandy River**	PRINCE EDWARD CO	Sandy River from Sandy River Reservoir Dam to its mouth at Bush River

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	3.25 MILES	00169	**2004**	**2016**	

Sources: Source Unknown

TMDL Watershed Name: **Shingle Creek**

TMDL Group ID: **00351**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAT-G13E_SGL01A00	**Shingle Creek - Tributary to Nansemond R.**	SUFFOLK CITY	Northeast of Suffolk, near Rt 642. From end of tidal waters (0.2 mi uptream of Portsmouth Blvd downstream to Nansemond R. Headwaters connect to canals (Jericho Ditch) in Dismal Swamp. CBP segment JMSMH. Portion of DSS shellfish condemnation # 063-008.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Enterococcus**	0.04 SQUARE MILES	00351	**2006**	**2010**	The Recreation Use is impaired as indicated by the exceedance of the instantaneous criteria for Fecal Coliform bacteria data from 2-SGL001.00 (15 violate / 25 obs.) and from 2-SGL001.50 (5 violate / 7 obs.) as well as due to exceedance of the instantaneous criteria for Enterococcus bacteria from station 2-SGL001.00 (2 violate / 9 obs.) . The previous Fecal Coliform indicator bacteria impairment (VAT-G13E-07) is retained (since the threshold of 12 observations for replacing the Fecal Coliform criteria has not been reached). The Enterococcus bacteria criteria impairment is associated with the previous bacteria impairment TMDL ID and due date.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Shingle Creek**

TMDL Group ID: **01298**

VAT-G13E_SGL01A00	Shingle Creek - Tributary to Nansemond R.	SUFFOLK CITY	Northeast of Suffolk, near Rt 642. From end of tidal waters (0.2 mi uptream of Portsmouth Blvd downstream to Nansemond R. Headwaters connect to canals (Jericho Ditch) in Dismal Swamp. CBP segment JMSMH. Portion of DSS shellfish condemnation # 063-008.

VA Overall AU Category: **5A**

Use	Impairment	0.04 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01298	**2006**	**2010**	Portion of DSS shellfish condmentaion # 063-008.

Sources: Source Unknown

TMDL Group ID: **97100**

VAT-G13E_SGL01A00	Shingle Creek - Tributary to Nansemond R.	SUFFOLK CITY	Northeast of Suffolk, near Rt 642. From end of tidal waters (0.2 mi uptream of Portsmouth Blvd downstream to Nansemond R. Headwaters connect to canals (Jericho Ditch) in Dismal Swamp. CBP segment JMSMH. Portion of DSS shellfish condemnation # 063-008.

VA Overall AU Category: **5A**

Use	Impairment	0.04 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		97100	**2002**	**2010**	The Aquatic Life Use is impaired based on failure to meet the minimum pH criteria.(4.0 SU) at both stations (2-SGL001.00; 5/39 = 12.8% & 2-SGL001.50, 5/8 = 62.5%).

Sources: Source Unknown

TMDL Watershed Name: **Skiffes Creek**

TMDL Group ID: **00608**

VAT-G11E_SFF01A04	Skiffes Creek System	JAMES CITY CO NEWPORT NEWS CITY	Located west of Lee Hall area, flows along the James City Co./ Newport News City boundary. Includes tidal tributaries. Portion of CBP segment JMSMH. DSS shellfish direct harvesting condemnation # 059-023.

VA Overall AU Category: **5A**

Use	Impairment	0.58 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		00608	**2006**	**2016**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04. This segment was previously identified (2004 IR) as a site-specific impairment for PCBs in fish tissue concentrations under TMDL ID VAT-G11E-02, this previous impairment TMDL due date is carried forward for this AU, rather than base the TMDL due date on the issuance date of the VDH PCB advisory.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Skiffes Creek**

TMDL Group ID: **01292**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAT-G11E_SFF01A04	**Skiffes Creek System**	JAMES CITY CO NEWPORT NEWS CITY	Located west of Lee Hall area, flows along the James City Co./ Newport News City boundary. Includes tidal tributaries. Portion of CBP segment JMSMH. DSS shellfish direct harvesting condemnation # 059-023.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**	0.58	SQUARE MILES	01292	**2006**	**2010**	DSS shellfish direct harvesting condemnation # 059-023.

Sources: Source Unknown

TMDL Watershed Name: **Slate River**

TMDL Group ID: **00364**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAC-H22R_SLT02A02	**Slate River**	BUCKINGHAM CO	The Slate River from the confluence with Sharps Creek to river mile 3.64.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	3.84	MILES	00364	**2002**	**2007**	

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAC-H22R_SLT03A02	**Slate River**	BUCKINGHAM CO	The Slate River from a point 5 miles upstream of the Fork Union Sanitary District raw water intake to the mouth at the James River.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	3.27	MILES	00364	**2002**	**2007**	

Sources: Source Unknown

TMDL Group ID: **00737**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAC-H21R_SLT01A00	**Slate River**	BUCKINGHAM CO	The Slate River from the confluence with Frisby Branch downstream to the confluence with Walton Fork.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	18.03	MILES	00737	**2002**	**2014**	

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Smith Creek Lower**

TMDL Group ID: **01689**

VAW-I09R_SMH01A00	Smith Creek Lower	ALLEGHANY CO	Smith Creek mainstem from its mouth on the Jackson River upstream 1.20 miles; the beginning of the WQS natural trout section.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	1.19 MILES	01689	**2004**	**2016**	

Sources: Municipal (Urbanized High Density Area)
Sanitary Sewer Overflows (Collection System Failures)
Unspecified Domestic Waste
Wastes from Pets
Wildlife Other than Waterfowl

TMDL Watershed Name: **Speights Run - Lake (PWS)**

TMDL Group ID: **76571**

VAT-G12L_SPE01A06	Speights Run - Lake (PWS)	SUFFOLK CITY	Northwest of Suffolk Municipal Airport. Southwest of Lake Kilby. Most southwest branch and upstream of Lake Kilby/Pitchkettle Creek/Lake Meade system (headwater impoundments of Nansemond River). Portion of Portsmouth PWS system.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	118.00 ACRES	76571	**2006**	**2018**	The Aquatic Life Use is impaired based on dissolved oxygen concentrations below the DEQ minimum allowable instantaneous criteria (4.0 mg/l). TSI calculation for 2-SPE000.17, (epilimnion) indicates impairment due to anthropogenic sources { Category 5A} and Eutrophic Category = Eutrophic (TSI 60-79).□□□□□□□□□□□□□ TSI calculation for 2-SPE001.18, (epilimnion) indicates impairment due to anthropogenic sources { Category 5A} and Eutrophic Category = Eutrophic (TSI 60-79).

Sources: Source Unknown

TMDL Watershed Name: **Spring Creek**

TMDL Group ID: **50095**

VAC-J02R_SPA02A04	Spring Creek	PRINCE EDWARD CO	Spring Creek from Mud Creek to the Buffalo Creek Dam No. 4

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	2.37 MILES	50095	**2006**	**2018**	

Sources: Non-Point Source

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Star Creek**

TMDL Group ID: **00610**

VAT-G13E_STR01A04	Star Creek - Tributary to Oyster House Cr.	SUFFOLK CITY	Eastern shore trib. to Oyster House Cr. Adjacent to the Naval Communication station at Driver. From headwaters to mouth. Portion of CBP segment JMSMH. Portion of DSS shellfish direct harvesting condemnation # 063- 008.

VA Overall AU Category: **5A**

Use	Impairment	1.00 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		00610	**2006**	**2016**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04. This segment was previously identified (2004 IR) as a site-specific impairment for PCBs in fish tissue concentrations under TMDL ID VAT-G13E-05, this previous impairment TMDL due date is carried forward for this AU, rather than base the TMDL due date on the issuance date of the VDH PCB advisory.

Sources: Source Unknown

TMDL Watershed Name: **Star Creek - Tributary to Oyster House Cr.**

TMDL Group ID: **76141**

VAT-G13E_STR01A04	Star Creek - Tributary to Oyster House Cr.	SUFFOLK CITY	Eastern shore trib. to Oyster House Cr. Adjacent to the Naval Communication station at Driver. From headwaters to mouth. Portion of CBP segment JMSMH. Portion of DSS shellfish direct harvesting condemnation # 063- 008.

VA Overall AU Category: **5A**

Use	Impairment	1.00 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		76141	**2006**	**2010**	Portion of DSS shellfish direct harvesting condemnation # 063- 008.

Sources: Source Unknown

TMDL Watershed Name: **Stegers Creek**

TMDL Group ID: **01175**

VAP-H33R_STG01A00	Stegers Creek	POWHATAN CO	Stegers Creek from its headwaters to confluence of Sallee Creek, including upper and lower Powhatan Lakes.

VA Overall AU Category: **5C**

Use	Impairment	4.58 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01175	**2002**	**2014**	VAP-H33R-03 This segment was assessed as not supporting of the Aquatic Life Use goals in the 2002 cycle based on dissolved oxygen standard exceedances at three special study stations (2-STG002.00, 2-STG000.91, 2-STG000.21). There has been no additional monitoring. The dams for both upper and lower Powhatan Lakes broke during a storm in summer 2004.

Sources: Dam or Impoundment

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Stock Creek**

TMDL Group ID: **50100**

VAC-J06R_SCK01A06	Stock Creek	AMELIA CO	Stock Creek from its headwaters to the mouth at the Appomattox River

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	8.47	MILES	50100	**2006**	**2018**	

Sources: Source Unknown

TMDL Watershed Name: **Stonehouse Creek Reservoir**

TMDL Group ID: **50071**

VAC-H11L_SHS01A02	Stonehouse Creek Reservoir	AMHERST CO	Stonehouse Creek Reservoir from its impounding structure upstream to its backwaters.

VA Overall AU Category: **5C**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**	125.00	ACRES	50071	**2006**	**2018**	

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

TMDL Watershed Name: **Stony Run**

TMDL Group ID: **01152**

VAP-G05R_SNF01A02	Stony Run	HANOVER CO	Stony Run from the confluence with Lickinghole Creek downstream to its mouth at the Chickahominy River.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	0.22	MILES	01152	**2004**	**2016**	VAP-G05R-05 The segment was initially assessed as impaired of the Recreation Use in 2004 because of fecal coliform violations at the Route 656 bridge (2-SNF000.04). During the 2006 cycle, the violation rate was 2/12.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Streeter Creek**

TMDL Group ID: **76044**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAT-G15E_SRE01A06	**Streeter Creek**	PORTSMOUTH CITY	Located along the southern shore of Hampton Roads Harbor. Entirety of Streeter Creek. South shore tributary to James River near Craney Island (at mouth of Elizabeth R). Portion of CBP segment JMSPH. DSS shellfish direct harvesting condemnation # 064-018.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**	0.03	SQUARE MILES	76044	**2006**	**2018**	DSS shellfish direct harvesting condemnation # 064-018.

Sources: Source Unknown

TMDL Watershed Name: **Suanee Creek**

TMDL Group ID: **50093**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAC-J01R_SUA01A04	**Suanee Creek**	APPOMATTOX CO	Suanee Creek from its headwaters to the mouth at the Appomattox River.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	5.86	MILES	50093	**2006**	**2018**	

Sources: Non-Point Source

TMDL Watershed Name: **Sweet Springs Creek**

TMDL Group ID: **01687**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAW-I06R_SSC01A02	**Sweet Springs Creek**	ALLEGHANY CO	Sweet Springs Creek mainstem from its confluence with Dunlap Creek to its headwaters.

VA Overall AU Category: **5C**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Temperature, water**	2.69	MILES	01687	**2002**	**2014**	Category 5C. Temperature exceedances are believed naturally occuring.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Swift Creek**

TMDL Group ID: **00046**

VAP-J17R_SFT01B98	Swift Creek	CHESTERFIELD CO	Swift Creek from the Swift Creek Lake dam downstream to the confluence with Licking Creek.

VA Overall AU Category: **5C**

Use	Impairment	7.09 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00046	**2006**	**2004**	Cat 4A: E. coli Swift Creek was initially assessed for fecal coliform in 2002. During the 2006 cycle, the bacteria parameter switched to E. coli. During the year 2004 cycle, this segment of Swift Creek had an acceptable fecal coliform violation rate and was recommended for delisting of the Recreation use impairment. In 2006, the E. coli violation rate was 2/12 at 2-SFT019.15. Bacteria TMDL for Swift Creek was included the TMDL for the Appomattox River development report and was approved by EPA 8/30/2004. The segment is now assessed as Cat 4A, however as of the 2006 assessment cycle the EPA TMDLID was not available.
		Sources: Agriculture Municipal Point Source Discharges Non-Point Source				
Recreation	**Fecal Coliform**		00046	**2002**	**2004**	Cat 4A: E. coli Swift Creek was initially assessed for fecal coliform in 2002. During the 2006 cycle, the bacteria parameter switched to E. coli. During the year 2004 cycle, this segment of Swift Creek had an acceptable fecal coliform violation rate and was recommended for delisting of the Recreation use impairment. In 2006, the E. coli violation rate was 2/12 at 2-SFT019.15. Bacteria TMDL for Swift Creek was included the TMDL for the Appomattox River development report and was approved by EPA 8/30/2004. The segment is now assessed as Cat 4A, however as of the 2006 assessment cycle the EPA TMDLID was not available.
		Sources: Agriculture Municipal Point Source Discharges Non-Point Source				

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Swift Creek**

TMDL Group ID: **01306**

VAP-J17R_SFT01B98	Swift Creek	CHESTERFIELD CO	Swift Creek from the Swift Creek Lake dam downstream to the confluence with Licking Creek.

VA Overall AU Category: **5C**

Use	Impairment	7.09 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01306	**2002**	**2014**	01306 (DO) VAP-J17R-01 In 2006, the DO violation rate was 3/22 at the Rt. 655 bridge. However, it is suspected the low DO violations in this segment of Swift Creek are due to an upstream impoundment, therefore will be assessed as Cat. 5C.

Sources: Dam or Impoundment

TMDL Group ID: **15011**

VAP-J17E_SFT01D04	Swift Creek	CHESTERFIELD CO COLONIAL HEIGHTS CITY	Tidal Swift Creek from the confluence with Timsbury Creek downstream to the mouth at the Appomattox River APPTF.

VA Overall AU Category: **5A**

Use	Impairment	0.09 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		15011	**2006**	**2018**	15011 (E.coli) VAP-J15E-02 This segment was also assessed as not supporting for the recreation use due to an E. coli violations rate of 3/4 recorded at 2DSFT001.18.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Swift Creek**

TMDL Group ID: **15022**

VAP-J17R_SFT02B00 **Swift Creek** CHESTERFIELD CO Swift Creek from the confluence with Licking Creek downstream to the confluence with Franks Branch.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	5.09 MILES	15022	**2006**	**2018**	15022 (E.coli) VAP-J17R-04 During the 2006 cycle, an E. coli violation rate of 3/9 was recorded at the Rt. 631 bridge (2-SFT012.84). Bacteria TMDL for the Appomattox River development report was completed and approved by EPA on 8/30/2004. Though allocations were calculated for Swift Creek, this segment was not included in the study. Additional monitoring is recommended to better determine if the bacteria impairment will improve with implementation of TMDL. Therefore this segment will be assessed as Cat. 5A

Sources: Source Unknown

TMDL Watershed Name: **Tanyard Branch**

TMDL Group ID: **50097**

VAC-J05R_TNY01A04 **Tanyard Branch** PRINCE EDWARD CO Tanyard Branch from Route 646 downsteam to its mouth at Briery Creek

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	0.41 MILES	50097	**2006**	**2018**	

Sources: Source Unknown

TMDL Watershed Name: **Thrashers Creek Reservoir**

TMDL Group ID: **50072**

VAC-H11L_TRH01A02 **Thrashers Creek Reservoir** AMHERST CO Thrashers Creek Reservoir from its impounding structure upstream to its backwaters.

VA Overall AU Category: **5C**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**	109.50 ACRES	50072	**2006**	**2018**	

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Tomahawk Creek**

TMDL Group ID: **50087**

VAC-H03R_THK01A06 **Tomahawk Creek** LYNCHBURG CITY Tomahawk Creek from its headwaters to its confluence with Burton Creek.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		50087	**2006**	**2018**	

Sources: Source Unknown

TMDL Watershed Name: **Totier Creek**

TMDL Group ID: **00367**

VAV-H17R_TOT01A00 **Totier Creek** ALBEMARLE CO Totier Creek from the RWSA-Scottsville Public Water Intake downstream to its confluence with the James River.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	0.78 MILES	00367	**2002**	**2010**	

Sources: Non-Point Source
Wildlife Other than Waterfowl

VAV-H17R_TOT02A00 **Totier Creek** ALBEMARLE CO Totier Creek from the 5 mile upper limit of the PWS designation for the RWSA-Scottsville Public Water Intake downstream to the RWSA-Scottsville Public Water Intake.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	5.13 MILES	00367	**2002**	**2010**	

Sources: Non-Point Source
Wildlife Other than Waterfowl

VAV-H17R_TOT03A00 **Totier Creek** ALBEMARLE CO Totier Creek from the headwaters downstream to the 5 mile upper limit of the PWS designation for the RWSA-Scottsville Public Water Intake.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	5.53 MILES	00367	**2002**	**2010**	

Sources: Non-Point Source
Wildlife Other than Waterfowl

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Totier Creek**

TMDL Group ID: **40005**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAV-H17R_TOT01A00	**Totier Creek**	ALBEMARLE CO	Totier Creek from the RWSA-Scottsville Public Water Intake downstream to its confluence with the James River.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**	0.78 MILES	40005	**2006**	**2018**	Newly listed for benthics in 2006.

Sources: Source Unknown

TMDL Watershed Name: **Troublesome Creek**

TMDL Group ID: **00738**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAC-H21R_TBM01A00	**Troublesome Creek**	BUCKINGHAM CO	Troublesome Creek from the Troublesome Creek Reservoir dam to the mouth at the Slate River.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	0.95 MILES	00738	**2004**	**2016**	

Sources: Source Unknown

TMDL Watershed Name: **Tuckahoe Creek and Tributaries**

TMDL Group ID: **00054**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-H39R_BOD02A06	**Broad Branch**	GOOCHLAND CO	Broad Branch from its headwaters to the dam upstream of Route 623.

VA Overall AU Category: **5D**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	2.56 MILES	00054	**2004**	**2004**	Category 4A VAP-H39R-02 The "Bacteria TMDL for Tuckahoe Creek, Little Tuckahoe Creek, Anderson, Broad, Georges, and Readers Branches, and Deep Run Henrico, Goochland, and Hanover Counties, Virginia" was approved by EPA on 9/20/2004. The report allocates E. coli between nonpoint source and urban runoff. The allocation includes the entire watershed. Bacteria-impaired segments within the watershed should be assessed as Cat. 4A. However, Anderson Branch is considered not assessed for fecal coliform.

Sources: Discharges from Municipal Separate Storm Sewer Systems (MS4)
Industrial Point Source Discharge
Non-Point Source

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Tuckahoe Creek, Unnamed Tributary**

TMDL Group ID: **10043**

VAP-H39R_XUT01A04 **UT to Tuckahoe Creek** GOOCHLAND CO Headwaters to mouth

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**	1.80 MILES	10043	**2006**	**2018**	VAP-H39R-03

During the 2006 cycle, the segment was assessed as impaired of the Aquatic Life use due to a pH violation rate of 2/13 at 2-XUT000.62.

Sources: Source Unknown

TMDL Watershed Name: **Tye River**

TMDL Group ID: **01654**

VAV-H09R_TYE02A00 **Tye River** NELSON CO Tye River from its confluence with Hat Creek downstream to its confluence with Naked Creek.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	8.33 MILES	01654	**2006**	**2018**	Newly listed for bacteria in 2006.

Sources: Non-Point Source
Wildlife Other than Waterfowl

VAV-H13R_TYE01A00 **Tye River** NELSON CO Tye River from its confluence with the Buffalo River downstream to its confluence with the James River.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	7.60 MILES	01654	**2004**	**2016**	

Sources: Non-Point Source
Wildlife Other than Waterfowl

TMDL Group ID: **50041**

VAV-H09R_TYE04A04 **Tye River** NELSON CO Tye River from its confluence with North & South Fork Tye River downstream to its confluence with Silver Creek.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Temperature, water**	3.77 MILES	50041	**2006**	**2018**	Newly listed for temperature in 2006.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Tye River South Fork**

TMDL Group ID: **50042**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAV-H09R_TYS01A00	**Tye River South Fork**	NELSON CO	South Fork Tye River and tributaries from the headwaters downstream to its confluence with the Tye River.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Temperature, water**	16.64	MILES	50042	**2006**	**2018**	Newly listed for temperature in 2006.

Sources: Source Unknown

TMDL Watershed Name: **Tylers Beach Boat Basin**

TMDL Group ID: **01293**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAT-G11E_TYB01A00	**Tylers Beach Boat Basin**	ISLE OF WIGHT CO	Located in the Bailey Beach area. Adjacent to the James River. Opposite Mulberry Island. NW corner of Burwell Bay. From end of tidal waters downstream to mouth. Portion of CBP segment JMSMH. DSS shellfish direct harvesting condemnation # 060-206 B.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**	0.00	SQUARE MILES	01293	**2006**	**2010**	DSS shellfish direct harvesting condemnation # 060-206 B.

Sources: Source Unknown

TMDL Watershed Name: **Unsegmented estuaries with DSS condemnation**

TMDL Group ID: **76144**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAT-G13E_ZZZ01B06	**Unsegmented estuaries with DSS condemnation**	SUFFOLK CITY	Upper Nansemond River unsegmented tributaries with a DSS condemnation. Portion of CBP segment JMSMH. Portion of CBP segment JMSMH. Portion of DSS shellfish direct harvesting condemnation # 063-008.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**	0.06	SQUARE MILES	76144	**2006**	**2010**	Portion of DSS shellfish direct harvesting condemnation # 063- 008.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Upham Brook**

TMDL Group ID: **10038**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-G05R_UPM03A06	**Upham Brook**	HENRICO CO	Upham Brook from its headwaters to Shaaf Pond.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	0.72 MILES	10038	**2006**	**2018**	VAP-G05R-08 The segment was assessed as not supporting the Aquatic Life Use based on a dissolved oxygen violation rate of 2/4 at 2-UPM011.11.

Sources: Source Unknown

TMDL Watershed Name: **Upham Brook Watershed**

TMDL Group ID: **00340**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-G05R_NTR01A00	**North Run**	HENRICO CO	North Run from Hungary Creek to its mouth at Upham Brook.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	3.94 MILES	00340	**2006**	**2010**	VAP-G05R-02 The segment was assessed in 2004 as not supporting of the Swimming Use support goal based on an E.coli violation rate of 4/14 at DEQ's Ambient Monitoring Station 2-UPM003.53, located at the Brook Road (Rt. 1) bridge over Upham Brook, as well as excessive fecal coliform violation rates at the Richmond Regional PDC special study stations. The segment was extended in the year 2002 cycle to include the entire watershed. During the 2006 cycle, the bacteria impairment was converted to E. coli based on widespread violations in the watershed: 1/9 at 3-NTR003.42 4/14 at 2-UPM003.53 1/9 at 2-UPM007.03 4/4 at 2-UPM011.11

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Upham Brook Watershed**

TMDL Group ID: **00340**

VAP-G05R_NTR02A06 **North Run** HENRICO CO North Run from its headwaters to Hungary Creek.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	3.65 MILES	00340	**2006**	**2010**	VAP-G05R-02

The segment was assessed in 2004 as not supporting of the Swimming Use support goal based on an E.coli violation rate of 4/14 at DEQ's Ambient Monitoring Station 2-UPM003.53, located at the Brook Road (Rt. 1) bridge over Upham Brook, as well as excessive fecal coliform violation rates at the Richmond Regional PDC special study stations.

The segment was extended in the year 2002 cycle to include the entire watershed.

During the 2006 cycle, the bacteria impairment was converted to E. coli based on widespread violations in the watershed:

1/9 at 3-NTR003.42
4/14 at 2-UPM003.53
1/9 at 2-UPM007.03
4/4 at 2-UPM011.11

Sources: Source Unknown

VAP-G05R_UPM01A02 **Upham Brook** HENRICO CO RICHMOND CITY Upham Brook from the dam at Shaaf Pond to the mouth at the Chickahominy River.

Segment extended in 2006 to incorporate VAP-G05R_UPM02A02, which was deleted.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	10.41 MILES	00340	**2006**	**2010**	VAP-G05R-02

The segment was assessed in 2004 as not supporting of the Swimming Use support goal based on an E.coli violation rate of 4/14 at DEQ's Ambient Monitoring Station 2-UPM003.53, located at the Brook Road (Rt. 1) bridge over Upham Brook, as well as excessive fecal coliform violation rates at the Richmond Regional PDC special study stations.

The segment was extended in the year 2002 cycle to include the entire watershed.

During the 2006 cycle, the bacteria impairment was converted to E. coli based on widespread violations in the watershed:

1/9 at 3-NTR003.42
4/14 at 2-UPM003.53
1/9 at 2-UPM007.03
4/4 at 2-UPM011.11

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Upham Brook Watershed**

TMDL Group ID: **00340**

VAP-G05R_UPM03A06 **Upham Brook** HENRICO CO Upham Brook from its headwaters to Shaaf Pond.

VA Overall AU Category: **5A**

Use	Impairment	0.72 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00340	**2006**	**2010**	VAP-G05R-02

The segment was assessed in 2004 as not supporting of the Swimming Use support goal based on an E.coli violation rate of 4/14 at DEQ's Ambient Monitoring Station 2-UPM003.53, located at the Brook Road (Rt. 1) bridge over Upham Brook, as well as excessive fecal coliform violation rates at the Richmond Regional PDC special study stations.

The segment was extended in the year 2002 cycle to include the entire watershed.

During the 2006 cycle, the bacteria impairment was converted to E. coli based on widespread violations in the watershed:

1/9 at 3-NTR003.42
4/14 at 2-UPM003.53
1/9 at 2-UPM007.03
4/4 at 2-UPM011.11

Sources: Non-Point Source

VAP-G05R_ZZZ01B02 **Upham Brook Tributaries** HENRICO CO RICHMOND CITY Upham Brook Watershed

VA Overall AU Category: **5A**

Use	Impairment	29.32 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00340	**2006**	**2010**	VAP-G05R-02

The segment was assessed in 2004 as not supporting of the Swimming Use support goal based on an E.coli violation rate of 4/14 at DEQ's Ambient Monitoring Station 2-UPM003.53, located at the Brook Road (Rt. 1) bridge over Upham Brook, as well as excessive fecal coliform violation rates at the Richmond Regional PDC special study stations.

The segment was extended in the year 2002 cycle to include the entire watershed.

During the 2006 cycle, the bacteria impairment was converted to E. coli based on widespread violations in the watershed:

1/9 at 3-NTR003.42
4/14 at 2-UPM003.53
1/9 at 2-UPM007.03
4/4 at 2-UPM011.11

Sources: Non-Point Source

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Vaughan's Creek**

TMDL Group ID: **50094**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAC-J01R_VNS01A02	**Vaughan's Creek**	APPOMATTOX CO PRINCE EDWARD CO	Vaughan's Creek from headwaters to mouth at Appomattox River

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	6.81 MILES	50094	**2006**	**2018**	

Sources: Non-Point Source

TMDL Watershed Name: **Walker Creek**

TMDL Group ID: **50254**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAV-I34R_WKS01A06	**Walker Creek**	AUGUSTA CO ROCKBRIDGE CO	Walker Creek and headwater tributaries from the headwaters downstream to its confluence with Hays Creek

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	11.62 MILES	50254	**2006**	**2018**	Newly listed for bacteria in 2006.

Sources: Non-Point Source
Wildlife Other than Waterfowl

TMDL Watershed Name: **Walls Run**

TMDL Group ID: **10034**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-G03R_WRL01A06	**Walls Run**	PRINCE GEORGE CO	Headwaters to mouth at Powells Creek

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	5.29 MILES	10034	**2006**	**2018**	VAP-G03R-07 Walls Run was assessed as not supporting the Recreation Use based on an E. coli violation rate of 2/9 at 2-WRL000.42.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Wards Creek**

TMDL Group ID: **10035**

VAP-G04R_WRD01A00	Wards Creek	PRINCE GEORGE CO	Wards Creek from its headwaters to the tidal limit Segment shortened in 2006 to reflect tidal influence.

VA Overall AU Category: **5A**

Use	Impairment	7.67 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		10035	**2006**	**2018**	VAP-G04R-01 Wards Creek was assessed as not supporting of the Recreation use support goal based on an E. coli violation rate of 2/9 at monitoring station 2-WRD005.40. The fecal coliform rate was acceptable.

Sources: Source Unknown

TMDL Watershed Name: **West Run**

TMDL Group ID: **01147**

VAP-G03R_WER03A00	West Run	CHARLES CITY CO	West Run from the confluence with East Run downstream to the upstream limits of Harrison Lake. Length corrected in 2006 cycle.

VA Overall AU Category: **5C**

Use	Impairment	1.81 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		01147	**2004**	**2016**	VAP-G03R-04 West Run was initially assessed as not supporting the Aquatic Life Use in 2004 based on pH violations at the Route 625 bridge (2-WER001.93.) During the 2006 cycle, the segment remained impaired (7/12).

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

TMDL Watershed Name: **West Run, Unnamed Tributary**

TMDL Group ID: **10033**

VAP-G03R_XUD01A06	UT to West Run	CHARLES CITY CO	Headwaters to mouth at West Run

VA Overall AU Category: **5C**

Use	Impairment	1.68 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		10033	**2006**	**2018**	VAP-G03R-06 The segment was assessed as not supporting the Aquatic Life Use based on a pH violation rate of 2/2 at 2-XUD000.16.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Western Run**

TMDL Group ID: **01141**

VAP-G02R_WSN01A00	Western Run	HENRICO CO	Western Run from its headwaters to the confluence with Turkey Island Creek.

VA Overall AU Category: **5A**

Use	Impairment	3.03 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		01141	**2004**	**2016**	VAP-G02R-04 Western Run was assessed as not supporting the Aquatic Life use goals based on pH violation rates of 2/4 and 1/4 at USGS stations 0203874275 and 0203874250, respectively. In addition, DEQ station 2-WSN0000.85 is collocated with 0203874275; the pH violation rate was 1/4 during the 2006 cycle.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

TMDL Group ID: **10032**

VAP-G02R_WSN01A00	Western Run	HENRICO CO	Western Run from its headwaters to the confluence with Turkey Island Creek.

VA Overall AU Category: **5A**

Use	Impairment	3.03 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		10032	**2006**	**2018**	VAP-G02R-07 Western Run was assessed as not supporting the Recreation use goals based on bacteria sampling at the Route 156 bridge: Fecal coliform violation rate of 2/3 at USGS station 0203874275 E. coli violation rate of 2/4 at DEQ station 2-WSN000.85

Sources: Source Unknown

Use	Impairment	3.03 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		10032	**2006**	**2018**	VAP-G02R-07 Western Run was assessed as not supporting the Recreation use goals based on bacteria sampling at the Route 156 bridge: Fecal coliform violation rate of 2/3 at USGS station 0203874275 E. coli violation rate of 2/4 at DEQ station 2-WSN000.85

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **White Oak Swamp**

TMDL Group ID: **10040**

VAP-G06R_WOS02A02	White Oak Swamp	HENRICO CO	White Oak Swamp from its headwaters to the confluence with White Oak Swamp Creek.

VA Overall AU Category: **5C**

Use	Impairment	3.47 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		10040	**2006**	**2018**	VAP-G06R-08

The Natural Conditions Assessment for low pH in White Oak Swamp was completed during the 2006 cycle and recommends that White Oak Swamp and its tributaries be reclassified as Class VII swampwaters. Until the standards can be revised, the watershed will be considered Cat. 4C for pH.

During the 2006 cycle, the segment was also considered impaired of the Aquatic Life Use due to a dissolved oxygen violation rate of 6/15 at 2-WOS008.15. Although natural conditions are also suspected, the report only addressed pH, therefore the segment will be classified as Category 5C. The TMDL is due in 2018.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

TMDL Watershed Name: **White Oak Swamp Creek**

TMDL Group ID: **10041**

VAP-G06R_WSC01A04	White Oak Swamp Creek	HENRICO CO	Headwaters to mouth at White Oak Swamp

VA Overall AU Category: **5C**

Use	Impairment	3.90 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		10041	**2006**	**2018**	VAP-G06R-09

During the 2006 cycle, the Natural Conditions Assessment for low pH in White Oak Swamp was completed and recommends that White Oak Swamp and its tributaries be reclassified as Class VII swampwaters. Until the standards can be revised, the watershed will be considered Cat. 4C for pH. However during the 2006 cycle, White Oak Swamp Creek was also considered impaired of the Aquatic Life Use due to a dissolved oxygen violation rate of 2/15 at 2-WSC002.62. Although natural conditions are also suspected, the report only addressed pH, therefore the segment will be classified as Category 5C. The TMDL is due in 2018.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Williams Run**

TMDL Group ID: **50088**

VAC-H03R_WLM01A02	Williams Run	AMHERST CO	Williams Run from its confluence with the James River upstream to it headwaters.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	6.39 MILES	50088	**2006**	**2018**	

Sources: Source Unknown

TMDL Watershed Name: **Willis River and Tributaries**

TMDL Group ID: **00113**

VAC-H35R_XQM01A00	UT to Willis River	BUCKINGHAM CO	An unnamed tributary to the Willis River.

VA Overall AU Category: **5D**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	1.73 MILES	00113	**2004**	**2002**	Category 4A - Willis River Bacteria TMDL - EPA TMDL ID 9488 (Fecal Coliform)/22159 (Pathogens)

Sources: Non-Point Source

TMDL Watershed Name: **Willis River, Unnamed Tributary**

TMDL Group ID: **00740**

VAC-H35R_XQM01A00	UT to Willis River	BUCKINGHAM CO	An unnamed tributary to the Willis River.

VA Overall AU Category: **5D**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	1.73 MILES	00740	**2002**	**2014**	

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

James River Basin

TMDL Watershed Name: **Wilson Creek, Upper**

TMDL Group ID: **50047**

VAW-I09R_WLN03A06	Wilson Creek Upper	BATH CO	Wilson Creek mainstem from the backwaters of Douthat Lake upstream to its headwaters.

VA Overall AU Category: **5C**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Temperature, water**	6.60 MILES	50047	**2004**	**2016**	Category 5C

Sources: Drought-related Impacts
Source Unknown

TMDL Watershed Name: **Wreck Island Creek**

TMDL Group ID: **00768**

VAC-H06R_WIC01A00	Wreck Island Creek	APPOMATTOX CO	Wreck Island Creek mainstem from its mouth on the James River upstream to the confluence of Little Wreck Island Creek.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	9.75 MILES	00768	**2002**	**2014**	

Sources: Source Unknown

Note: * Includes Category 4A and 4C Impairments within each Assessment Unit. Assessment Units may extend across jurisdictional boundaries.

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Barrows Run**

TMDL Group ID: **60074**

VAN-E02R_BRW01A06	Barrows Run	FAUQUIER CO	Segment begins at the headwaters of Barrows Run and continues downstream until the confluence with the Rappahannock River.

VA Overall AU Category: **5A**

Use	Impairment	4.93 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		60074	**2006**	**2018**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (2 of 5 samples - 40.0%) were recorded at DEQ's ambient water quality monitoring station (3-BRW000.29) at Spring Drive to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Bay Segment RPPTF**

TMDL Group ID: **60127**

VAN-E20E_RPP01A02	**Rappahannock River**	SPOTSYLVANIA CO STAFFORD CO	Segment begins at the confluence with Massaponax Creek and continues downstream until the outlet of waterbody VAN-E20E. This segment represents the upper reach of VAN-E21E_RPP05A02. Portion of CBP segment RPPTF.

VA Overall AU Category: **5A**

Use	Impairment	0.19 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		60127	**2006**	**2010**	
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		60127	**2006**	**2010**	
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Bay Segment RPPTF**

TMDL Group ID: **60127**

VAN-E20E_RPP02A02	Rappahannock River	SPOTSYLVANIA CO STAFFORD CO	Segment begins at the confluence with Deep Run and continues downstream until the confluence with Massaponax Creek. Portion of CBP segment RPPTF.

VA Overall AU Category: **5A**

Use	Impairment	0.23 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		60127	**2006**	**2010**	

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		60127	**2006**	**2010**

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Bay Segment RPPTF**

TMDL Group ID: **60127**

VAN-E20E_RPP03A02	**Rappahannock River**	FREDERICKSBURG CITY STAFFORD CO	Segment begins at the fall line at Route One and continues downstream until the confluence with Deep Run. Portion of CBP segment RPPTF.

VA Overall AU Category: **5A**

Use	Impairment	0.21 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		60127	**2006**	**2010**	

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		60127	**2006**	**2010**

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Bay Segment RPPTF**

TMDL Group ID: **60127**

VAN-E21E_MIC01A06	Mill Creek	CAROLINE CO	Segment includes all tidal waters of Mill Creek. Portion of CBP segment RPPTF.

VA Overall AU Category: **5A**

Use	Impairment	0.21 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		60127	**2006**	**2010**	

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		60127	**2006**	**2010**

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Bay Segment RPPTF**

TMDL Group ID: **60127**

VAN-E21E_RPP01A02	**Rappahannock River**	CAROLINE CO KING GEORGE CO	Segment begins at the confluence with Mill Creek, at rivermile 78.94, and continues downstream until immediately upstream of Devils Elbow, at rivermile 70.52. Portion of CBP segment RPPTF.

VA Overall AU Category: **5A**

Use	Impairment	4.50 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		60127	**2006**	**2010**	

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		60127	**2006**	**2010**

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Bay Segment RPPTF**

TMDL Group ID: **60127**

VAN-E21E_RPP03A02	**Rappahannock River**	CAROLINE CO KING GEORGE CO	Segment begins at the confluence with Mount Creek and continues downstream until the confluence with Mill Creek. Portion of CBP segment RPPTF.

VA Overall AU Category: **5A**

Use	Impairment	1.36 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		60127	**2006**	**2010**	

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		60127	**2006**	**2010**

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Bay Segment RPPTF**

TMDL Group ID: **60127**

VAN-E21E_RPP04A02	**Rappahannock River**	CAROLINE CO KING GEORGE CO	Segment begins at the confluence with Ware Creek and continues downstream until the confluence with Mount Creek. Portion of CBP segment RPPTF.

VA Overall AU Category: **5A**

Use	Impairment	1.20 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		60127	**2006**	**2010**	

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		60127	**2006**	**2010**

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Bay Segment RPPTF**

TMDL Group ID: **60127**

VAN-E21E_RPP05A02	**Rappahannock River**	CAROLINE CO STAFFORD CO	Segment begins at the confluence with Massaponax Creek and continues downstream until the confluence with Ware Creek. The upper reach of this segment (approx. 0.3 sq mi) extends into waterbody VAN-E20E. Portion of CBP segment RPPTF.

VA Overall AU Category: **5A**

Use	Impairment	0.57 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		60127	**2006**	**2010**	
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		60127	**2006**	**2010**	
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Bay Segment RPPTF**

TMDL Group ID: **60127**

VAN-E21E_RPP20A02	**Ware Creek/Rappahannock River**	CAROLINE CO KING GEORGE CO	Segment includes all tidal waters in watershed not included in other delineated stream segments. Portion of CBP segment RPPTF.

VA Overall AU Category: **5A**

Use	Impairment	2.37 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		60127	**2006**	**2010**	

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		60127	**2006**	**2010**

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Beautiful Run**

TMDL Group ID: **60083**

VAN-E13R_BFL01A04	Beautiful Run	MADISON CO	Segment begins at the confluence of an unnamed tributary, upstream from Route 620, and continues downstream until the confluence with the Rapidan River.

VA Overall AU Category: **5A**

Use	Impairment	1.08 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		60083	**2006**	**2018**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (4 of 5 samples - 80.0%) were recorded at DEQ's ambient water quality monitoring station (3-BFL000.90) at the Route 620 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.
		Sources: Source Unknown				
Recreation	**Fecal Coliform**		60083	**2006**	**2018**	Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (3 of 7 samples - 42.8%) were recorded at DEQ's ambient water quality monitoring station (3-BFL000.90) at the Route 620 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.
		Sources: Source Unknown				

TMDL Watershed Name: **Bells Creek**

TMDL Group ID: **01069**

VAP-E26E_BES01A98	Bells Creek	LANCASTER CO	The boundaries are described in VDH shellfish condemnation 021-058B, 4/21/2004. Size adjusted in 2006, although area did not change CRRMH

VA Overall AU Category: **5A**

Use	Impairment	0.05 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01069	**1998**	**2010**	VAP-E26E-15 VDH shellfish condemnation 021-058B, 4/21/2004
		Sources: Source Unknown				

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Belwood Swamp**

TMDL Group ID: **01097**

VAP-E26E_BLD01A98	Belwood Swamp	LANCASTER CO	Tidal limit to its mouth at the Western Branch Corrotoman River. Previously called riverine CRRMH

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		01097	**2002**	**2014**	VAP-E26E-27 (see 2004 fact sheet VAP-E26R-01) The segment was initially assessed in 1998 as fully supporting but threatened of the Recreation Use based on violations of the fecal coliform standard at monitoring station 3-BLD000.58, located at the Route 3 bridge. During the year 2002 cycle, the segment was downgraded to impaired. During the 2004 cycle, the segment continued to be impaired (see 2004 fact sheet VAP-E26R-01). However, in the 2006 cycle, it was determined that the station is tidally influenced and had been mistakenly considered riverine. The station remains impaired for fecal coliform. The fact sheet and AU were renamed. The TMDL is due in 2014.

Sources: Source Unknown

TMDL Watershed Name: **Black Swamp**

TMDL Group ID: **10105**

VAP-E23R_BLA01A06	Black Swamp	WESTMORELAND CO	Black Swamp from its headwaters downstream to Chandlers Millpond

VA Overall AU Category: **5C**

Use	Impairment	4.31 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		10105	**2006**	**2018**	VAP-E23R-14 During the 2006 cycle, Black Swamp was assessed as not supporting the Aquatic Life Use based on a dissolved oxygen violation rate of 6/15 at 3-BLA002.31. This segment is nested within VAP-E23R-01.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Black Walnut Run**

TMDL Group ID: **60095**

VAN-E17R_BWR01A06	Black Walnut Run	ORANGE CO	Segment begins at the Route 621 crossing and continues downstream until the confluence with Mine Run.

VA Overall AU Category: **5A**

Use	Impairment	6.45 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		60095	**2006**	**2018**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (5 of 15 samples - 33.3%) were recorded at DEQ's ambient water quality monitoring station (3-BWR004.13) at the Route 602 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sources: Source Unknown

TMDL Watershed Name: **Blue Run**

TMDL Group ID: **00319**

VAN-E13R_BLU01A00	Blue Run	ORANGE CO	Segment begins at the confluence with Barbour Run, approximately 0.13 rivermile upstream of the Southern Rail Road bridge, and continues downstream until the confluence with the Rapidan River.

VA Overall AU Category: **5A**

Use	Impairment	4.21 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00319	**2006**	**2010**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (3 of 6 samples - 50.0%) were recorded at DEQ's ambient water quality monitoring station (3-BLU002.60) at the Route 20 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. The segment was previously listed for a fecal coliform bacteria impairment, beginning in 2002.

Sources: Source Unknown

Use	Impairment	4.21 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		00319	**2002**	**2010**	Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (7 of 20 samples - 35.0%) were recorded at DEQ's ambient water quality monitoring station (3-BLU002.60) at the Route 20 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sources: Source Unknown

VAN-E13R_BLU02A04	Blue Run	ALBEMARLE CO ORANGE CO	Segment begins at the headwaters of Blue Run and continues downstream until the confluence with Barbour Run.

VA Overall AU Category: **5A**

Use	Impairment	7.40 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		00319	**2006**	**2018**	Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (2 of 5 samples - 40.0%) were recorded at DEQ's ambient water quality monitoring station (3-BLU006.44), at the bridge for an unnamed road through Tibbstown, to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Bookers Mill Stream**

TMDL Group ID: **01054**

VAP-E24R_BMS01A98	Bookers Mill Stream	RICHMOND CO	Bookers Mill Stream in its entirety.

VA Overall AU Category: **5A**

Use	Impairment	6.22 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		01054	**2002**	**2014**	VAP-E24R-01 Bookers Mill Stream was assessed not supporting of the Recreation Use support goal in 2004 based on a fecal coliform violation rate of 4/19 recorded at the Route 612 bridge (3-BMS002.00). Monitoring was discontinued in 2001.

Sources: Source Unknown

TMDL Watershed Name: **Broad Creek**

TMDL Group ID: **01071**

VAP-E26E_BRD02A00	Broad Creek	MIDDLESEX CO	The boundaries are defined in VDH shellfish condemnation 038A, 12/30/2004. RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01071	**1998**	**2010**	VAP-E26E-21 VDH shellfish condemnation 033-038A, 12/30/2004

Sources: Industrial Point Source Discharge
Municipal Point Source Discharges
Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Broad Creek**

TMDL Group ID: **10083**

VAP-E26E_BRD01A00 **Broad Creek** MIDDLESEX CO

The boundaries are defined in VDH shellfish condemnation 038B, 12/30/2004.

RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.08 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Enterococcus**		10083	**2006**	**2018**	VAP-E26E-20

Broad Creek was considered fully supporting but threatened of the Recreation Use in 1998 due to BPJ (6 dischargers into embayment), but there were acceptable FC violation rates at station 3-BRD000.62 in both the 2002 and 2004 cycles, so it was dropped in 2004. In the 2006 cycle, the fecal coliform violation rate remained acceptable (0/23), however the enterococci violation rate failed (2/9), therefore the segment is considered impaired of the Recreation Use. The TMDL is due in 2018.

Sources: Industrial Point Source Discharge
Municipal Point Source Discharges
Source Unknown

VAP-E26E_BRD02A00 **Broad Creek** MIDDLESEX CO

The boundaries are defined in VDH shellfish condemnation 038A, 12/30/2004.

RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Enterococcus**		10083	**2006**	**2018**	VAP-E26E-20

Broad Creek was considered fully supporting but threatened of the Recreation Use in 1998 due to BPJ (6 dischargers into embayment), but there were acceptable FC violation rates at station 3-BRD000.62 in both the 2002 and 2004 cycles, so it was dropped in 2004. In the 2006 cycle, the fecal coliform violation rate remained acceptable (0/23), however the enterococci violation rate failed (2/9), therefore the segment is considered impaired of the Recreation Use. The TMDL is due in 2018.

Sources: Industrial Point Source Discharge
Municipal Point Source Discharges
Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Broad Creek**

TMDL Group ID: **10083**

VAP-E26E_BRD03A00 **Broad Creek** MIDDLESEX CO

The boundaries are defined in VDH shellfish condemnation 033-038C, 12/30/2004.

Sq. mileage adjusted in 2006, although area did not change

RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Enterococcus**		10083	**2006**	**2018**	VAP-E26E-20

Broad Creek was considered fully supporting but threatened of the Recreation Use in 1998 due to BPJ (6 dischargers into embayment), but there were acceptable FC violation rates at station 3-BRD000.62 in both the 2002 and 2004 cycles, so it was dropped in 2004. In the 2006 cycle, the fecal coliform violation rate remained acceptable (0/23), however the enterococci violation rate failed (2/9), therefore the segment is considered impaired of the Recreation Use. The TMDL is due in 2018.

Sources: Industrial Point Source Discharge
Municipal Point Source Discharges
Source Unknown

VAP-E26E_BRD04A00 **Broad Creek** MIDDLESEX CO

Described in VDH-DSS condemnation 033-038M1, 12/3/2004

Size reduced in 2006

RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Enterococcus**		10083	**2006**	**2018**	VAP-E26E-20

Broad Creek was considered fully supporting but threatened of the Recreation Use in 1998 due to BPJ (6 dischargers into embayment), but there were acceptable FC violation rates at station 3-BRD000.62 in both the 2002 and 2004 cycles, so it was dropped in 2004. In the 2006 cycle, the fecal coliform violation rate remained acceptable (0/23), however the enterococci violation rate failed (2/9), therefore the segment is considered impaired of the Recreation Use. The TMDL is due in 2018.

Sources: Industrial Point Source Discharge
Municipal Point Source Discharges
Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Browns Run**

TMDL Group ID: **00835**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAN-E08R_BOS01A02	**Browns Run**	FAUQUIER CO	Segment begins at the confluence with an unnamed tributary to Browns Run, near the Route 17 bridge, and continues downstream until the confluence with Marsh Run.

VA Overall AU Category: **5A**

Use	Impairment	2.39 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		00835	**2002**	**2014**	Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (3 of 3 samples - 100%) were recorded at DEQ's ambient water quality monitoring station (3-BOS000.72) at the Route 653 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sources: Source Unknown

TMDL Watershed Name: **Carter Cove**

TMDL Group ID: **01078**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-E26E_CTR04A02	**Carter Cove**	LANCASTER CO	As described in VDH-DSS SFC 020-041C, 12/17/2004 RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.06 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01078	**2002**	**2014**	VAP-E26E-30 VDH shellfish condemnation 020-041C, 12/17/2004 Was threatened in 1998 b/c it was part of the seasonal condemnation. Was downgraded during 2002 cycle.

Sources: Source Unknown

TMDL Watershed Name: **Carter Creek**

TMDL Group ID: **01077**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-E26E_CTR02A00	**Carter Creek**	LANCASTER CO	The segment boundaries are delineated in VDH shellfish condemnation 041B, 12/17/2004. Size adjusted in 2006 RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.06 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01077	**1998**	**2010**	VAP-E26E-19 VDH-DSS condemnation 020-041B, 12/17/2004

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Carter Creek, Eastern Branch**

TMDL Group ID: **01072**

VAP-E26E_CEB01A00	**Eastern Branch Carter Creek**	LANCASTER CO	The boundaries are delineated in VDH shellfish condemnation 041A, 12/17/2004. Segment was expanded in 2006 cycle and now incorporates CEB02A00 (Bridge Cove), which was previously open. RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.25 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		01072	**1998**	**2016**	VAP-E26E-17 In the 2004 cycle, the segment was also listed as impaired of the Recreation Use goal based on a fecal coliform violation rate of 5/38 at 3-CEB001.92, located at Route 200. Although the violation rate in the 2006 cycle dropped to 0/15, the monitoring ceased in 2002, therefore the previous impairment is carried over. The TMDL is due in 2014.

Sources: Source Unknown

TMDL Group ID: **01073**

VAP-E26E_CEB01A00	**Eastern Branch Carter Creek**	LANCASTER CO	The boundaries are delineated in VDH shellfish condemnation 041A, 12/17/2004. Segment was expanded in 2006 cycle and now incorporates CEB02A00 (Bridge Cove), which was previously open. RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.25 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01073	**1998**	**2010**	VAP-E26E-17 VDH shellfish condemnation 020-041A, 12/17/2004

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Carter Run**

TMDL Group ID: **20024**

VAN-E02R_CAE02A04 **Carter Run** FAUQUIER CO

Segment begins at the confluence with Horner Run and continues downstream until the confluence with South Run.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	8.24 MILES	20024	**2006**	**2018**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (3 of 9 samples - 33.3%) were recorded at DEQ's ambient water quality monitoring station (3-CAE006.32) at the Route 738 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sources: Source Unknown

VAN-E02R_CAE03A06 **Carter Run** FAUQUIER CO

Segment begins at the confluence with Strothers Branch and continues downstream until the confluence with an unnamed tributary to Carter Run, at rivermile 14.71.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	1.62 MILES	20024	**2006**	**2018**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (3 of 8 samples - 37.5%) were recorded at DEQ's ambient water quality monitoring station (3-CAE015.01), at a private road off of Route 719, to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sources: Source Unknown

TMDL Watershed Name: **Cat Point Creek**

TMDL Group ID: **10104**

VAP-E23R_CAT01A98 **Cat Point Creek** RICHMOND CO

Cat Point Creek from Ruin Branch (river mile 14.1) downstream to Canal Swamp (river mile 10.54.)

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	4.99 MILES	10104	**2006**	**2018**	VAP-E23R-13 During the 2006 cycle, the E. coli violation rate at 5ACAT011.62 was 2/13, therefore the segment is considered impaired of the Recreation Use. Further monitoring is recommended.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Cedar Run**

TMDL Group ID: **00847**

VAN-E16R_CED01A00 **Cedar Run** CULPEPER CO

Segment begins at the confluence with Cabin Branch and continues downstream until the confluence with the Rapidan River.

VA Overall AU Category: **5A**

Use	Impairment	2.19 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		00847	**2004**	**2016**	Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (2 of 13 samples - 15.4%) were recorded at DEQ's ambient water quality monitoring station (3-CED000.59) at the Route 522 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sources: Source Unknown

VAN-E16R_CED02A04 **Cedar Run** CULPEPER CO

Segment begins at the confluence with Buck Run and continues downstream until the confluence with Cabin Branch.

VA Overall AU Category: **5A**

Use	Impairment	3.21 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00847	**2006**	**2018**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (3 of 3 samples - 100%) were recorded at DEQ's special study water quality monitoring station (3-CED003.52) at the Route 652 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sources: Source Unknown

Recreation	**Fecal Coliform**		00847	**2006**	**2018**	Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (3 of 8 samples - 37.5%) were recorded at DEQ's special study water quality monitoring station (3-CED003.52) at the Route 652 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sources: Source Unknown

TMDL Watershed Name: **Church Swamp**

TMDL Group ID: **10100**

VAP-E23R_CRC01A06 **Church Swamp** ESSEX CO

Headwaters to mouth at tidal Hoskins Creek

VA Overall AU Category: **5C**

Use	Impairment	3.64 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		10100	**2006**	**2018**	VAP-E23R-09 Church Swamp was assessed as not supporting of the Aquatic Life Use based on a pH violation rate of 2/2 at -CRC001.38.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Claiborne Run**

TMDL Group ID: **00323**

VAN-E20R_CLB01A00	Claiborne Run	STAFFORD CO	Segment begins at the confluence with an unnamed tributary to Claiborne Run, approximately 0.5 rivermile upstream of the Route 1 crossing, and continues downstream until the confluence with the Rappahannock River.

VA Overall AU Category: **5A**

Use	Impairment (4.89 MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	00323	**2006**	**2010**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (5 of 8 samples - 62.5%) were recorded at DEQ's ambient water quality monitoring station (3-CLB000.50) at the Route 3 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. The segment was previously listed for a fecal coliform impairment, beginning in 1998.
	Sources: Source Unknown				
Recreation	**Fecal Coliform**	00323	**1998**	**2010**	Although the data obtained during the 2006 assessment window shows exceedances of the instantaneous fecal coliform bacteria criterion (1 of 6 samples - 16.7%), it is categorized as having insufficient information with which to determine use support. No additional fecal coliform data has been collected from the DEQ's ambient water quality monitoring station (3-CLB000.50) at Route 3 since the previous assessment window. The segment shall remain categorized as impaired for fecal coliform bacteria, as it has been since 1998.
	Sources: Source Unknown				

TMDL Group ID: **00848**

VAN-E20R_CLB01A00	Claiborne Run	STAFFORD CO	Segment begins at the confluence with an unnamed tributary to Claiborne Run, approximately 0.5 rivermile upstream of the Route 1 crossing, and continues downstream until the confluence with the Rappahannock River.

VA Overall AU Category: **5A**

Use	Impairment (4.89 MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**	00848	**2002**	**2014**	Sufficient exceedances of the instantaneous pH criterion (3 of 12 samples - 25.0%) were recorded at DEQ's ambient water quality monitoring station (3-CLB000.50) at the Route 3 bridge to assess this stream segment as not supporting of the aquatic life use goal for the 2006 water quality assessment.
	Sources: Source Unknown				

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Corrotoman River Mesohaline**

TMDL Group ID: **01074**

VAP-E26E_BES01A98	**Bells Creek**	LANCASTER CO	The boundaries are described in VDH shellfish condemnation 021-058B, 4/21/2004. Size adjusted in 2006, although area did not change CRRMH

VA Overall AU Category: **5A**

Use	Impairment	0.05 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01074	**2006**	**2010**	VAP-E26E-25 The new Chesapeake Bay water quality standards were implemented during the 2006 cycle. The mesohaline Corrotoman failed the open water summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01074	**2006**	**2010**	VAP-E26E-25 The new Chesapeake Bay water quality standards were implemented during the 2006 cycle. The mesohaline Corrotoman failed the open water summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Corrotoman River Mesohaline**

TMDL Group ID: **01074**

VAP-E26E_BLD01A98	Belwood Swamp	LANCASTER CO	Tidal limit to its mouth at the Western Branch Corrotoman River. Previously called riverine CRRMH

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01074	**2006**	**2010**	VAP-E26E-25 The new Chesapeake Bay water quality standards were implemented during the 2006 cycle. The mesohaline Corrotoman failed the open water summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01074	**2006**	**2010**	VAP-E26E-25 The new Chesapeake Bay water quality standards were implemented during the 2006 cycle. The mesohaline Corrotoman failed the open water summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Corrotoman River Mesohaline**

TMDL Group ID: **01074**

VAP-E26E_CRR01A00	Corrotoman River	LANCASTER CO	The mainstem of the Corrotoman River downstream of the confluence of the Eastern and Western Branches Corrotoman River. CRRMH

VA Overall AU Category: **5A**

Use	Impairment	4.24 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01074	**2002**	**2010**	VAP-E26E-25 The Corrotoman River was included in EPA's 1998 Overlist. The segment was previously called impaired solely on EPA's overlist (nutrients/eutrophication biological indicators). The new Chesapeake Bay water quality standards were implemented during the 2006 cycle. The mesohaline Corrotoman failed the open water summer dissolved oxygen criteria. The TMDL is due in 2010. During the 2006 cycle, monitoring was conducted at Coastal 2000 station 3-CRR000.58. The weight of evidence approach was utilized and the station was considered impaired because of sparse benthos. There was no toxicity or chemical contamination observed, therefore the approach considered the cause to be water quality.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**	01074	**2002**	**2010**	VAP-E26E-25 The Corrotoman River was included in EPA's 1998 Overlist. The segment was previously called impaired solely on EPA's overlist (nutrients/eutrophication biological indicators). The new Chesapeake Bay water quality standards were implemented during the 2006 cycle. The mesohaline Corrotoman failed the open water summer dissolved oxygen criteria. The TMDL is due in 2010.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Corrotoman River Mesohaline**

TMDL Group ID: **01074**

VAP-E26E_CTM01A00	Eastern Branch Corrotoman River	LANCASTER CO	The boundaries are described in VDH shellfish condemnation 021-058C, 4/21/2004. Size expanded in 2006 CRRMH

VA Overall AU Category: **5A**

Use	Impairment	0.61 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01074	**2006**	**2010**	VAP-E26E-25 The new Chesapeake Bay water quality standards were implemented during the 2006 cycle. The mesohaline Corrotoman failed the open water summer dissolved oxygen criteria.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01074	**2006**	**2010**	VAP-E26E-25 The new Chesapeake Bay water quality standards were implemented during the 2006 cycle. The mesohaline Corrotoman failed the open water summer dissolved oxygen criteria.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Corrotoman River Mesohaline**

TMDL Group ID: **01074**

VAP-E26E_CTO01A02	**Western Branch Corrotoman River**	LANCASTER CO	The boundaries are described in VDH shellfish condemnation 021-132A, 3/27/2002, not otherwise segmented CRRMH

VA Overall AU Category: **5A**

Use	Impairment	0.50 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01074	**2006**	**2010**	VAP-E26E-25 The new Chesapeake Bay water quality standards were implemented during the 2006 cycle. The mesohaline Corrotoman failed the open water summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01074	**2006**	**2010**	VAP-E26E-25 The new Chesapeake Bay water quality standards were implemented during the 2006 cycle. The mesohaline Corrotoman failed the open water summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Corrotoman River Mesohaline**

TMDL Group ID: **01074**

VAP-E26E_CTO02A06	Western Branch Corrotoman River	LANCASTER CO	Mainstem downstream of SFC 021-132A CRRMH

VA Overall AU Category: **5A**

Use	Impairment	1.37 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01074	**2006**	**2010**	VAP-E26E-25 The new Chesapeake Bay water quality standards were implemented during the 2006 cycle. The mesohaline Corrotoman failed the open water summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01074	**2006**	**2010**	VAP-E26E-25 The new Chesapeake Bay water quality standards were implemented during the 2006 cycle. The mesohaline Corrotoman failed the open water summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Corrotoman River Mesohaline**

TMDL Group ID: **01074**

VAP-E26E_DAS01A02	**Davis Creek**	LANCASTER CO	As described in VDH-DSS SFC 021-132C. 3/27/2002. Size adjusted in 2006 CRRMH

VA Overall AU Category: **5A**

Use	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01074	**2006**	**2010**	VAP-E26E-25 The new Chesapeake Bay water quality standards were implemented during the 2006 cycle. The mesohaline Corrotoman failed the open water summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01074	**2006**	**2010**	VAP-E26E-25 The new Chesapeake Bay water quality standards were implemented during the 2006 cycle. The mesohaline Corrotoman failed the open water summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Corrotoman River Mesohaline**

TMDL Group ID: **01074**

VAP-E26E_EWE01A00	**Ewells Prong**	LANCASTER CO	The boundaries are described in VDH shellfish condemnation 187C, 3/27/2002. CRRMH

VA Overall AU Category: **5A**

Use	Impairment	0.04 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01074	**2006**	**2010**	VAP-E26E-25 The new Chesapeake Bay water quality standards were implemented during the 2006 cycle. The mesohaline Corrotoman failed the open water summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01074	**2006**	**2010**	VAP-E26E-25 The new Chesapeake Bay water quality standards were implemented during the 2006 cycle. The mesohaline Corrotoman failed the open water summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Corrotoman River Mesohaline**

TMDL Group ID: **01074**

VAP-E26E_HLS01A00	**Hills Creek**	LANCASTER CO	The boundaries are described in VDH shellfish condemnation 021-058A, 4/21/2004. Size expanded in 2006 cycle CRRMH

VA Overall AU Category: **5A**

Use	Impairment	0.06 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01074	**2006**	**2010**	VAP-E26E-25 The new Chesapeake Bay water quality standards were implemented during the 2006 cycle. The mesohaline Corrotoman failed the open water summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01074	**2006**	**2010**	VAP-E26E-25 The new Chesapeake Bay water quality standards were implemented during the 2006 cycle. The mesohaline Corrotoman failed the open water summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Corrotoman River Mesohaline**

TMDL Group ID: **01074**

VAP-E26E_LIT01A06	**Little Branch**	LANCASTER CO	Tidal limit to mouth at Western Branch Corrotoman River
			CRRMH

VA Overall AU Category: **5A**

Use	Impairment	0.11 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01074	**2006**	**2010**	VAP-E26E-25 The new Chesapeake Bay water quality standards were implemented during the 2006 cycle. The mesohaline Corrotoman failed the open water summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01074	**2006**	**2010**	VAP-E26E-25 The new Chesapeake Bay water quality standards were implemented during the 2006 cycle. The mesohaline Corrotoman failed the open water summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Corrotoman River Mesohaline**

TMDL Group ID: **01074**

VAP-E26E_MIP01A00	**Millenbeck Prong**	LANCASTER CO	The boundaries are described in VDH shellfish condemnation 187B, 3/27/2002. Size adjusted in 2006, although area did not change CRRMH

VA Overall AU Category: **5A**

Use	Impairment	0.04 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01074	**2006**	**2010**	VAP-E26E-25 The new Chesapeake Bay water quality standards were implemented during the 2006 cycle. The mesohaline Corrotoman failed the open water summer dissolved oxygen criteria.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01074	**2006**	**2010**	VAP-E26E-25 The new Chesapeake Bay water quality standards were implemented during the 2006 cycle. The mesohaline Corrotoman failed the open water summer dissolved oxygen criteria.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Corrotoman River Mesohaline**

TMDL Group ID: **01074**

VAP-E26E_MYE01A00	**Myer Creek**	LANCASTER CO	The boundaries are described in VDH shellfish condemnation 198B, 11/6/2003. Size adjusted in 2006 CRRMH

VA Overall AU Category: **5A**

Use	Impairment	0.08 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01074	**2006**	**2010**	VAP-E26E-25 The new Chesapeake Bay water quality standards were implemented during the 2006 cycle. The mesohaline Corrotoman failed the open water summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01074	**2006**	**2010**	VAP-E26E-25 The new Chesapeake Bay water quality standards were implemented during the 2006 cycle. The mesohaline Corrotoman failed the open water summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Corrotoman River Mesohaline**

TMDL Group ID: **01074**

VAP-E26E_MYE01B02	**Myer Creek, UT**	LANCASTER CO	As described in VDH-DSS SFC 21-198C, 11/6/2003. Size adjusted in 2006, although area did not change CRRMH

VA Overall AU Category: **5A**

Use	Impairment	0.04 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01074	**2006**	**2010**	VAP-E26E-25, VAP-E26E-31 The new Chesapeake Bay water quality standards were implemented during the 2006 cycle. The mesohaline Corrotoman failed the open water summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01074	**2006**	**2010**	VAP-E26E-25 The new Chesapeake Bay water quality standards were implemented during the 2006 cycle. The mesohaline Corrotoman failed the open water summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Corrotoman River Mesohaline**

TMDL Group ID: **01074**

VAP-E26E_MYE01C04	Myer Creek	LANCASTER CO	Described in VDH Condemnation 21-198A, 11/6/2003
			CRRMH

VA Overall AU Category: **5A**

Use	Impairment	0.05 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01074	**2006**	**2010**	VAP-E26E-25 The new Chesapeake Bay water quality standards were implemented during the 2006 cycle. The mesohaline Corrotoman failed the open water summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01074	**2006**	**2010**	VAP-E26E-25 The new Chesapeake Bay water quality standards were implemented during the 2006 cycle. The mesohaline Corrotoman failed the open water summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Corrotoman River Mesohaline**

TMDL Group ID: **01074**

VAP-E26E_MYE02C06	**Myer Creek**	LANCASTER CO	Described in VDH-DSS SFC 021-198M, 11/6/2003 CRRMH

VA Overall AU Category: **5A**

Use	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01074	**2006**	**2010**	VAP-E26E-25 The new Chesapeake Bay water quality standards were implemented during the 2006 cycle. The mesohaline Corrotoman failed the open water summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01074	**2006**	**2010**	VAP-E26E-25 The new Chesapeake Bay water quality standards were implemented during the 2006 cycle. The mesohaline Corrotoman failed the open water summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Corrotoman River Mesohaline**

TMDL Group ID: **01074**

VAP-E26E_SEN01A00	**Senior Creek**	LANCASTER CO	The boundaries are described in VDH shellfish condemnation 021-132B, 3/27/2002. Size adjusted in 2006 cycle, although area did not change. CRRMH

VA Overall AU Category: **5A**

Use	Impairment	0.06 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01074	**2006**	**2010**	VAP-E26E-25 The new Chesapeake Bay water quality standards were implemented during the 2006 cycle. The mesohaline Corrotoman failed the open water summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01074	**2006**	**2010**	VAP-E26E-25 The new Chesapeake Bay water quality standards were implemented during the 2006 cycle. The mesohaline Corrotoman failed the open water summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Corrotoman River Mesohaline**

TMDL Group ID: **01074**

VAP-E26E_TAY01A00	**Taylor Creek**	LANCASTER CO	The boundaries are described in VDH shellfish condemnation 021-205, 3/27/2002. Size reduced in 2004 cycle. CRRMH

VA Overall AU Category: **5A**

Use	Impairment	0.09 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01074	**2006**	**2010**	VAP-E26E-25 The new Chesapeake Bay water quality standards were implemented during the 2006 cycle. The mesohaline Corrotoman failed the open water summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01074	**2006**	**2010**	VAP-E26E-25 The new Chesapeake Bay water quality standards were implemented during the 2006 cycle. The mesohaline Corrotoman failed the open water summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Corrotoman River Mesohaline**

TMDL Group ID: **01074**

VAP-E26E_TON01A00	**Town Creek**	LANCASTER CO	The boundaries are described in VDH shellfish condemnation 187A, 3/27/2002. Size adjusted in 2006, although area did not change CRRMH

VA Overall AU Category: **5A**

Use	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01074	**2006**	**2010**	VAP-E26E-25 The new Chesapeake Bay water quality standards were implemented during the 2006 cycle. The mesohaline Corrotoman failed the open water summer dissolved oxygen criteria.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01074	**2006**	**2010**	VAP-E26E-25 The new Chesapeake Bay water quality standards were implemented during the 2006 cycle. The mesohaline Corrotoman failed the open water summer dissolved oxygen criteria.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Corrotoman River Mesohaline**

TMDL Group ID: **01074**

VAP-E26E_WHR01A00	**Whitehouse Creek**	LANCASTER CO	The boundaries are described in VDH shellfish condemnation 187D, 3/27/2002 Size adjusted in 2006, although area did not change CRRMH

VA Overall AU Category: **5A**

Use	Impairment	0.05 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01074	**2006**	**2010**	VAP-E26E-25 The new Chesapeake Bay water quality standards were implemented during the 2006 cycle. The mesohaline Corrotoman failed the open water summer dissolved oxygen criteria.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01074	**2006**	**2010**	VAP-E26E-25 The new Chesapeake Bay water quality standards were implemented during the 2006 cycle. The mesohaline Corrotoman failed the open water summer dissolved oxygen criteria.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Corrotoman River Mesohaline**

TMDL Group ID: **01074**

VAP-E26E_ZZZ02A06	**Unsegmented estuaries in E26**	LANCASTER CO	Unsegmented portion of watershed

CRRMH

VA Overall AU Category: **5A**

Use	Impairment	1.74 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01074	**2006**	**2010**	VAP-E26E-25 The new Chesapeake Bay water quality standards were implemented during the 2006 cycle. The mesohaline Corrotoman failed the open water summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01074	**2006**	**2010**	VAP-E26E-25 The new Chesapeake Bay water quality standards were implemented during the 2006 cycle. The mesohaline Corrotoman failed the open water summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Corrotoman River, Eastern Branch**

TMDL Group ID: **01075**

VAP-E26E_CTM01A00	**Eastern Branch Corrotoman River**	LANCASTER CO	The boundaries are described in VDH shellfish condemnation 021-058C, 4/21/2004. Size expanded in 2006 CRRMH

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**	0.61 SQUARE MILES	01075	**1998**	**2010**	VAP-E26E-16 VDH shellfish condemnation 021-058C, 4/21/2004 Size expanded in 2006 cycle

Sources: Source Unknown

TMDL Watershed Name: **Corrotoman River, Western Branch**

TMDL Group ID: **01076**

VAP-E26E_BLD01A98	**Belwood Swamp**	LANCASTER CO	Tidal limit to its mouth at the Western Branch Corrotoman River. Previously called riverine CRRMH

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**	0.01 SQUARE MILES	01076	**2002**	**2010**	VAP-E26E-09 Portion of VDH shellfish condemnation 021-132A, 3/27/2002

Sources: Source Unknown

VAP-E26E_CTO01A02	**Western Branch Corrotoman River**	LANCASTER CO	The boundaries are described in VDH shellfish condemnation 021-132A, 3/27/2002, not otherwise segmented CRRMH

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**	0.50 SQUARE MILES	01076	**1998**	**2010**	VAP-E26E-09 VDH shellfish condemnation 021-132A, 3/27/2002

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Corrotoman River, Western Branch**

TMDL Group ID: **01076**

VAP-E26E_LIT01A06	**Little Branch**	LANCASTER CO	Tidal limit to mouth at Western Branch Corrotoman River CRRMH

VA Overall AU Category: **5A**

Use	Impairment	0.11 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01076	**1998**	**2010**	VAP-E26E-09 Portion of VDH shellfish condemnation 021-132A, 3/27/2002

Sources: Source Unknown

TMDL Watershed Name: **Craig Run**

TMDL Group ID: **00836**

VAN-E08R_CRA01A02	**Craig Run**	FAUQUIER CO	Segment begins at the headwaters of Craig Run and continues downstream until the confluence with Marsh Run.

VA Overall AU Category: **5A**

Use	Impairment	3.61 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		00836	**2004**	**2016**	Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (3 of 3 samples - 100%) were recorded at DEQ's ambient water quality monitoring station (3-CRA000.82) at the Route 656 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sources: Source Unknown

TMDL Watershed Name: **Davis Creek**

TMDL Group ID: **01079**

VAP-E26E_DAS01A02	**Davis Creek**	LANCASTER CO	As described in VDH-DSS SFC 021-132C. 3/27/2002. Size adjusted in 2006 CRRMH

VA Overall AU Category: **5A**

Use	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01079	**2002**	**2014**	VAP-E26E-35 VDH-DSS Shellfish Condemnation 021-132C, 3/27/2002

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Deep Creek**

TMDL Group ID: **01055**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-E25E_DEE01A04	**Deep Creek**	LANCASTER CO	Described in VDH shellfish condemnation 023-121B, 9/23/2004. In 2002, Deep Creek was split into 3 segments. In 2004, the condemnation was expanded and the segments were joined. Size adjusted in 2006. RPPMH

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**	0.22 SQUARE MILES	01055	**1998**	**2010**	VAP-E25E-10 VDH condemnation 023-121B, 9/23/2004

Sources: Source Unknown

TMDL Watershed Name: **Deep Run**

TMDL Group ID: **20023**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAN-E10R_DPR02A02	**Deep Run**	FAUQUIER CO	Segment begins at the confluence with Pine Branch and continues downstream until the confluence with Green Branch.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	2.79 MILES	20023	**2006**	**2018**	Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (2 of 7 - 28.6%) were recorded at DEQ's ambient water quality monitoring station (3-DPR004.93) at the Route 752 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sources: Source Unknown

TMDL Watershed Name: **Elmwood Creek**

TMDL Group ID: **10112**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-E22R_ELM01A06	**Elmwood Creek**	ESSEX CO	Headwaters to tidal limit

VA Overall AU Category: **5C**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**	4.87 MILES	10112	**2006**	**2018**	VAP-E22R-04 Elmwood Creek was assessed as not supporting the Aquatic Life Use based on a pH violation rate of 2/8 at 3-ELM002.23.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Ewells Prong**

TMDL Group ID: **01080**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-E26E_EWE01A00	**Ewells Prong**	LANCASTER CO	The boundaries are described in VDH shellfish condemnation 187C, 3/27/2002. CRRMH

VA Overall AU Category: **5A**

Use	Impairment	0.04 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01080	**1998**	**2010**	VAP-E26E-06 VDH shellfish condemnation 187C, 3/27/2002

Sources: Source Unknown

TMDL Watershed Name: **Farmers Hall Creek**

TMDL Group ID: **01037**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-E22R_FAR01A04	**Farmers Hall Creek**	ESSEX CO	Headwaters to mouth

VA Overall AU Category: **5A**

Use	Impairment	4.38 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		01037	**2004**	**2016**	VAP-E22R-02 Farmers Hall Creek was assessed as not supporting of the Recreation Use support goal based on a fecal coliform violation rate of 3/13 at the Route 631 bridge (3-FAR002.88).

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Farnham Creek**

TMDL Group ID: **01032**

VAP-E25E_FAM01A98	**Farnham Creek**	RICHMOND CO	The segment boundaries are delineated in VDH shellfish condemnation 070, 10/17/2000 Sq. mileage adjusted in 2006 although area did not change RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.41 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Chloride**		01032	**2004**	**2016**	VAP-E25E-05 In the 2004 cycle, impairments of the Aquatic Life and Wildlife Uses were added due to chloride violations at 3-FAM002.62. The chloride TMDL is due in 2016.
		Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed				
Wildlife	**Chloride**		01032	**2004**	**2016**	VAP-E25E-05 In the 2004 cycle, impairments of the Aquatic Life and Wildlife Uses were added due to chloride violations at 3-FAM002.62. The chloride TMDL is due in 2016.
		Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed				

TMDL Group ID: **01056**

VAP-E25E_FAM01A98	**Farnham Creek**	RICHMOND CO	The segment boundaries are delineated in VDH shellfish condemnation 070, 10/17/2000 Sq. mileage adjusted in 2006 although area did not change RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.41 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		01056	**1998**	**2014**	VAP-E25E-05 In 2002, the segment was assessed as not supporting the Recreation Use due to fecal coliform violations at 3-FAM002.62. During the 2006 cycle, the violation rate was 3/18. The TMDL is due in 2014.
		Sources: Source Unknown				

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Farnham Creek**

TMDL Group ID: **01057**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-E25E_FAM01A98	**Farnham Creek**	RICHMOND CO	The segment boundaries are delineated in VDH shellfish condemnation 070, 10/17/2000 Sq. mileage adjusted in 2006 although area did not change RPPMH

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**	0.41	SQUARE MILES	01057	**1998**	**2010**	VAP-E25E-05 VDH condemnation 024-070, 10/17/2000

Sources: Source Unknown

TMDL Watershed Name: **Finks Run**

TMDL Group ID: **60089**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAN-E14R_FIK01A06	**Finks Run**	MADISON CO	Segment begins at the headwaters of Finks Run and continues downstream until the confluence with the Robinson River.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	3.02	MILES	60089	**2006**	**2018**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (2 of 5 samples - 40.0%) were recorded at DEQ's ambient water quality monitoring station (3-FIK001.08) at the Route 650 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sources: Source Unknown

TMDL Watershed Name: **Greenvale Creek**

TMDL Group ID: **01058**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-E25E_GEE01A98	**Greenvale Creek**	LANCASTER CO	The segment boundaries are delineated in VDH shellfish condemnation 094A, 2/5/2003. RPPMH

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**	0.08	SQUARE MILES	01058	**1998**	**2010**	VAP-E25E-15 VDH-DSS condemnation 094A, 2/5/2003

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Harry George Creek**

TMDL Group ID: **10080**

VAP-E25E_HRY01A06	Harry George Creek	MIDDLESEX CO	Designated in VDH SFC 202B, 9/3/2003 RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.09 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		10080	**2006**	**2018**	VAP-E25E-20 VDH Shellfish Condemnation 202B, 9/3/2003

Sources: Source Unknown

TMDL Watershed Name: **Hazel River**

TMDL Group ID: **60076**

VAN-E07R_HAZ01A04	Hazel River	CULPEPER CO	Segment begins at the confluence with Indian Run and continues downstream until the confluence with Muddy Run.

VA Overall AU Category: **5A**

Use	Impairment	3.32 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		60076	**2006**	**2018**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (5 of 10 samples - 50.0%) were recorded at DEQ's ambient water quality monitoring station (3-HAZ005.98) at the Route 625 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.
Recreation	**Fecal Coliform**		60076	**2006**	**2018**	Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (5 of 14 samples - 35.7%) were recorded at DEQ's ambient water quality monitoring station (3-HAZ005.98) at the Route 625 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sources: Source Unknown

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Hazel River**

TMDL Group ID: **60079**

VAN-E04R_HAZ01A00 **Hazel River** CULPEPER CO, RAPPAHANNOCK CO

Segment begins at the confluence with Blackwater Creek and continues downstream until the confluence with an unnamed tributary to the Hazel River, at rivermile 16.03.

VA Overall AU Category: **5A**

Use	Impairment (5.58 MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	60079	**2006**	**2010**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (3 of 9 samples - 33.3%) were recorded at DEQ's ambient water quality monitoring station (3-HAZ018.29) at the Route 729 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. The segment was previously listed, beginning in 2002, for a fecal coliform bacteria impairment.
	Sources: Source Unknown				
Recreation	**Fecal Coliform**	60079	**2002**	**2010**	Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (3 of 20 samples - 15.0%) were recorded at DEQ's ambient water quality monitoring station (3-HAZ018.29) at the Route 729 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. The segment was previously listed, beginning in 2002, for a fecal coliform bacteria impairment.
	Sources: Source Unknown				

VAN-E04R_HAZ01B06 **Hazel River** CULPEPER CO

Segment begins at the confluence with Devils Run and continues downstream until the confluence with Blackwater Creek.

VA Overall AU Category: **5A**

Use	Impairment (3.54 MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	60079	**2006**	**2018**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (2 of 6 samples - 33.3%) were recorded at DEQ's ambient water quality monitoring station (3-HAZ026.16) at the Route 522 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.
	Sources: Source Unknown				
Recreation	**Fecal Coliform**	60079	**2006**	**2018**	Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (2 of 6 samples - 33.3%) were recorded at DEQ's ambient water quality monitoring station (3-HAZ026.16) at the Route 522 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.
	Sources: Source Unknown				

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Hazel River**

TMDL Group ID: **60079**

VAN-E04R_HAZ01C06 **Hazel River** CULPEPER CO

Segment begins at the confluence with the Hughes River and continues downstream until the confluence with Devils Run.

VA Overall AU Category: **5A**

Use	Impairment	6.77 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		60079	**2006**	**2018**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (2 of 6 samples - 33.3%) were recorded, upstream, at DEQ's ambient water quality monitoring station (3-HAZ026.16) at the Route 522 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.
		Sources: Source Unknown				
Recreation	**Fecal Coliform**		60079	**2006**	**2018**	Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (2 of 6 samples - 33.3%) were recorded, upstream, at DEQ's ambient water quality monitoring station (3-HAZ026.16) at the Route 522 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.
		Sources: Source Unknown				

VAN-E04R_HAZ02A02 **Hazel River** RAPPAHANNOCK CO

Segment begins at the Route 707 bridge and continues downstream until the confluence with the Hughes River.

VA Overall AU Category: **5A**

Use	Impairment	0.78 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		60079	**2006**	**2018**	Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (3 of 14 samples - 21.4%) were recorded at DEQ's ambient water quality monitoring station (3-HAZ032.54) at the Route 644 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.
		Sources: Source Unknown				

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Hazel Run**

TMDL Group ID: **00849**

VAN-E20R_HAL01A00	Hazel Run	FREDERICKSBURG CITY SPOTSYLVANIA CO	Segment begins at the Route 95 crossing and continues downstream until the confluence with the Rappahannock River.

VA Overall AU Category: **5A**

Use	Impairment	4.46 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00849	**2006**	**2016**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (3 of 8 samples - 37.5%) were recorded at DEQ's ambient water quality monitoring station (3-HAL001.44) at the Route 1 Business bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. The segment was previously listed for a fecal coliform impairment, beginning in 2004.
		Sources: Source Unknown				
Recreation	**Fecal Coliform**		00849	**2004**	**2016**	Although the data obtained during the 2006 assessment window shows exceedances of the instantaneous fecal coliform bacteria criterion (1 of 7 samples - 14.3%), it is categorized as having insufficient information with which to determine use support. No additional fecal coliform data has been collected from the DEQ's ambient water quality monitoring station (3-HAL001.44) at Route 1 Business since the previous assessment window. The segment shall remain categorized as impaired for fecal coliform bacteria, as it has been since 2004.
		Sources: Source Unknown				

TMDL Watershed Name: **Hills Creek**

TMDL Group ID: **01081**

VAP-E26E_HLS01A00	Hills Creek	LANCASTER CO	The boundaries are described in VDH shellfish condemnation 021-058A, 4/21/2004. Size expanded in 2006 cycle CRRMH

VA Overall AU Category: **5A**

Use	Impairment	0.06 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01081	**1998**	**2010**	VAP-E26E-14 VDH shellfish condemnation 021-058A, 4/21/2004
		Sources: Source Unknown				

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Hoskins Creek**

TMDL Group ID: **00253**

VAP-E23E_HOK01A98	Hoskins Creek	ESSEX CO	Hoskins Creek from the Town of Tappahannock STP downstream to the mouth at the Rappahannock River. RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.06 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Enterococcus**		00253	**2006**	**2010**	VAP-E23E-03 This segment was initially included on the 1994 303(d) list based on excessive fecal coliform standard violations recorded at the Rt. 360 bridge (3-HOK000.74). For the 2004 cycle, the segment was assessed not supporting of the Recreation use support goal based on a fecal coliform standard violation rate of 9/49 recorded at 3-HOK000.74. The upstream limit was extended to the Town of Tappahannock STP in the 1998 cycle in recognition that the STP may be a contributing source, although this has not been verified. During the 2006 cycle, the segment remained impaired and enterococci was added as an impairing cause with a violation rate of 9/12 at 3-HOK000.74.
		Sources:	Municipal Point Source Discharges Source Unknown			
Recreation	**Fecal Coliform**		00253	**1996**	**2010**	VAP-E23E-03 This segment was initially included on the 1994 303(d) list based on excessive fecal coliform standard violations recorded at the Rt. 360 bridge (3-HOK000.74). For the 2004 cycle, the segment was assessed not supporting of the Recreation use support goal based on a fecal coliform standard violation rate of 9/49 recorded at 3-HOK000.74. The upstream limit was extended to the Town of Tappahannock STP in the 1998 cycle in recognition that the STP may be a contributing source, although this has not been verified. During the 2006 cycle, the segment remained impaired and enterococci was added as an impairing cause with a violation rate of 9/12 at 3-HOK000.74.
		Sources:	Municipal Point Source Discharges Source Unknown			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Hoskins Creek**

TMDL Group ID: **00254**

VAP-E23E_HOK01A98 **Hoskins Creek** ESSEX CO

Hoskins Creek from the Town of Tappahannock STP downstream to the mouth at the Rappahannock River.

RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.06 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Chloride**		00254	**2004**	**2016**	VAP-E23E-03 In the 2004 cycle, the segment was assessed as not supporting the Aquatic Life and Wildlife uses based on chloride violations at 3-HOK000.74. The TMDL for chloride is due in 2016.
		Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed				
Wildlife	**Chloride**		00254	**2004**	**2016**	VAP-E23E-03 In the 2004 cycle, the segment was assessed as not supporting the Aquatic Life and Wildlife uses based on chloride violations at 3-HOK000.74. The TMDL for chloride is due in 2016.
		Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed				

TMDL Group ID: **01043**

VAP-E23R_HOK01A04 **Hoskins Creek** ESSEX CO

Headwaters to the tidal limit

VA Overall AU Category: **5C**

Use	Impairment	12.96 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		01043	**2004**	**2016**	VAP-E23R-04 Assessed not supporting of the Aquatic Life use support goal based on pH standard violation rates of 8/13 recorded at monitoring station 3-HOK011.45, located at the Route 717 bridge and of 11/18 at 3-HOK007.25.
		Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed				

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Hoskins Creek**

TMDL Group ID: **10073**

VAP-E23E_HOK01A98	Hoskins Creek	ESSEX CO	Hoskins Creek from the Town of Tappahannock STP downstream to the mouth at the Rappahannock River. RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.06 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		10073	**2006**	**2018**	VAP-E23E-03, VAP-E22E-01 During the 2006 cycle, pH was added as an impairment because of a violation rate of 6/19 at 3-HOK003.61. Natural conditions are suspected.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

TMDL Watershed Name: **Hughes River**

TMDL Group ID: **00832**

VAN-E03R_HUE01A00	Hughes River	CULPEPER CO RAPPAHANNOCK CO	Segment begins at the confluence with Kilbys Creek and continues downstream until the confluence with the Hazel River.

VA Overall AU Category: **5A**

Use	Impairment	3.68 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00832	**2006**	**2016**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (4 of 11 samples - 36.4%) were recorded at DEQ's ambient water quality monitoring station (3-HUE000.20) at the Route 644 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. The segment was initially listed for fecal coliform bacteria impairment in 2004.
		Sources: Source Unknown				
Recreation	**Fecal Coliform**		00832	**2004**	**2016**	Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (3 of 19 samples - 15.8%) were recorded at DEQ's ambient water quality monitoring station (3-HUE000.20) at the Route 644 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. The segment was initially listed for fecal coliform bacteria impairment in 2004.
		Sources: Source Unknown				

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Indian Run**

TMDL Group ID: **60080**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAN-E07R_IND01A04	**Indian Run**	CULPEPER CO	Segment begins at the confluence with an unnamed tributary to Indian Run, upstream from Route 626, and continues downstream until the confluence with the Hazel River.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	3.84 MILES	60080	**2006**	**2018**	Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (2 of 7 samples - 28.6%) were recorded at DEQ's ambient water quality monitoring station (3-IND001.14) at the Route 624 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sources: Source Unknown

TMDL Watershed Name: **Lagrange Creek**

TMDL Group ID: **00196**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-E25E_LGG01A98	**Lagrange Creek**	MIDDLESEX CO	As described in VDH SFC 127, 6/11/1996. RPPMH

VA Overall AU Category: **5D**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**	0.60 SQUARE MILES	00196	**1998**	**2005**	Category 4A VAP-E25E-01 The segment was assessed in 1998 as not supporting the Shellfish Consumption Use based on VDH-DSS Condemnation 127, 6/11/1996. The TMDL for this original portion was completed and approved by EPA on 11/15/2005. The segment should be classified as Cat. 4A, however at the time of assessment there was no EPA TMDLID available.

Sources: Non-Point Source

TMDL Group ID: **01068**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-E25R_LGG01A98	**Lagrange Creek**	MIDDLESEX CO	Lagrange Creek from its headwaters to the limit of tidal influence.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	2.72 MILES	01068	**2004**	**2016**	VAP-E25R-02 Lagrange Creek was assessed in 2004 as not supporting of the Recreation Use support goal based on a fecal coliform violation rate of 3/20 recorded at the Route 610 bridge (3-LGG004.54). There has been no additional monitoring since 2001.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Lagrange Creek**

TMDL Group ID: **10081**

VAP-E25E_LGG02A06	Lagrange Creek	MIDDLESEX CO	As described in VDH SFC 127, 2/25/2004, not otherwise segmented. RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.60 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		10081	**1998**	**2018**	VAP-E25E-21, VAP-E22E-01 The upstream portion of Lagrange Creek was assessed in 1998 as not supporting the Shellfish Consumption Use based on VDH-DSS Condemnation 127, 6/11/1996. The TMDL for this original portion was completed and approved by EPA on 11/15/2005. During the 2006 cycle, however, the condemnation was extended downstream. The TMDL for this segment is due in 2018.

Sources: Non-Point Source

TMDL Watershed Name: **Lancaster Creek**

TMDL Group ID: **01033**

VAP-E25E_LAN01A98	Lancaster Creek	LANCASTER CO RICHMOND CO	The segment boundaries are delineated in VDH SFC 120B, 9/23/2004. Size reduced in 2006 cycle. RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.46 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Chloride**		01033	**2004**	**2016**	VAP-E25E-16 Lancaster and Morattico Creeks were assessed not supporting of the Aquatic Life and Wildlife Uses based on chloride violations at multiple stations.
						Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed
Wildlife	**Chloride**		01033	**2004**	**2016**	VAP-E25E-16 Lancaster and Morattico Creeks were assessed not supporting of the Aquatic Life and Wildlife Uses based on chloride violations at multiple stations.
						Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Lancaster Creek**

TMDL Group ID: **01033**

VAP-E25E_LAN02A02 — **Lancaster Creek** — LANCASTER CO, RICHMOND CO

The mouth of Lancaster Creek downstream of VDH SFC 120B, 9/23/2004, not otherwise segmented.

Size increased in 2006 cycle.

RPPMH

VA Overall AU Category: **5A**

Use	Impairment	1.16 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Chloride**		01033	**2004**	**2016**	VAP-E25E-16 Lancaster and Morattico Creeks were assessed not supporting of the Aquatic Life and Wildlife Uses based on chloride violations at multiple stations.
		Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed				
Wildlife	**Chloride**		01033	**2004**	**2016**	VAP-E25E-16 Lancaster and Morattico Creeks were assessed not supporting of the Aquatic Life and Wildlife Uses based on chloride violations at multiple stations.
		Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed				

VAP-E25E_LAN03A06 — **Lancaster Creek** — RICHMOND CO

Described in VDH SFC 023-120M1, 9/23/2004

Size increased in 2006 cycle.

RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Chloride**		01033	**2004**	**2016**	VAP-E25E-16 Lancaster and Morattico Creeks were assessed not supporting of the Aquatic Life and Wildlife Uses based on chloride violations at multiple stations.
		Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed				
Wildlife	**Chloride**		01033	**2004**	**2016**	VAP-E25E-16 Lancaster and Morattico Creeks were assessed not supporting of the Aquatic Life and Wildlife Uses based on chloride violations at multiple stations.
		Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed				

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Lancaster Creek**

TMDL Group ID: **01059**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-E25E_LAN01A98	Lancaster Creek	LANCASTER CO RICHMOND CO	The segment boundaries are delineated in VDH SFC 120B, 9/23/2004. Size reduced in 2006 cycle. RPPMH

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**	0.46	SQUARE MILES	01059	**1998**	**2010**	VAP-E25E-11 VDH shellfish condemnation 020-120B, 9/23/2004 - size reduced in 2006

Sources: Source Unknown

TMDL Group ID: **01060**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-E25E_LAN01A98	Lancaster Creek	LANCASTER CO RICHMOND CO	The segment boundaries are delineated in VDH SFC 120B, 9/23/2004. Size reduced in 2006 cycle. RPPMH

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	0.46	SQUARE MILES	01060	**1998**	**2016**	VAP-E25E-11 In 2004, the segment was also assessed as not supporting the Recreation Use due to a fecal coliform violation rate of 2/18 at 3-LAN002.81, located at the end of Route 1105. There has been no additional fecal coliform or enterococci monitoring since 2001. The TMDL is due in 2016.

Sources: Source Unknown

TMDL Watershed Name: **LaRogue Run**

TMDL Group ID: **60097**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAN-E19R_LAR01A04	LaRogue Run	SPOTSYLVANIA CO	Segment begins at the headwaters of LaRogue Run and continues downstream until the confluence with the Rappahannock River.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	2.86	MILES	60097	**2006**	**2018**	Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (2 of 9 samples - 22.2%) were recorded at DEQ's ambient water quality monitoring station (3-LAR000.48) at the Route 620 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Leathers Run**

TMDL Group ID: **60090**

VAN-E14R_LEA01A06	Leathers Run	MADISON CO	Segment begins at the confluence with an unnamed tributary to Leathers Run, approximately 0.65 rivermile downstream from the Route 641 crossing, and continues downstream until the confluence with the Robinson River.

VA Overall AU Category: **5A**

Use	Impairment	2.03 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		60090	**2006**	**2018**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (2 of 5 samples - 40.0%) were recorded at DEQ's ambient water quality monitoring station (3-LEA000.17) at the Route 609 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sources: Source Unknown

TMDL Watershed Name: **Little Branch**

TMDL Group ID: **10084**

VAP-E26E_LIT01A06	Little Branch	LANCASTER CO	Tidal limit to mouth at Western Branch Corrotoman River CRRMH

VA Overall AU Category: **5A**

Use	Impairment	0.11 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Enterococcus**		10084	**2006**	**2018**	VAP-E26E-26 Little Branch was assessed as not supporting of the Recreation Use during the 2006 cycle due to a enterococci violation rate of 3/9 at 3-LIT000.85.

Sources: Source Unknown

TMDL Watershed Name: **Little Carter Creek, Jugs Creek**

TMDL Group ID: **01038**

VAP-E23E_LIE01A98	Little Carter Creek, Jugs Creek	RICHMOND CO	The segment boundaries are defined in VDH shellfish condemnation 068B, 3/6/2002. RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.32 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01038	**1998**	**2010**	VAP-E23E-02 VDH-DSS SFC 068B, 3/6/2002 remains closed but is now incorporated into SFC 068A, 3/26/2004

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Little Wicomico River**

TMDL Group ID: **10026**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-E22R_FAR01A04	**Farmers Hall Creek**	ESSEX CO	Headwaters to mouth

VA Overall AU Category: **5A**

Use	Impairment	4.38 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		10026	**2006**	**2018**	VAP-A34R-02 In 2006, Farmers Hall Creek was assessed as not supporting of the Aquatic Life Use support goal based on a pH violation rate of 2/13 at the Route 631 bridge (3-FAR002.88).

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

TMDL Watershed Name: **Locklies Creek**

TMDL Group ID: **01082**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-E26E_LOL01A02	**Locklies Creek**	MIDDLESEX CO	The segment boundaries are delineated in VDH shellfish condemnation 102A, 2/6/2004. RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.10 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01082	**1998**	**2010**	VAP-E26E-13 VDH shellfish condemnation 031-102A, 3/6/2004

Sources: Source Unknown

TMDL Watershed Name: **Marsh Run**

TMDL Group ID: **00318**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAN-E08R_MAH01A00	**Marsh Run**	FAUQUIER CO	Segment begins at the confluence with Harpers Run, at approximately rivermile 2.4, and continues downstream until the confluence with the Rappahannock River.

VA Overall AU Category: **5A**

Use	Impairment	2.25 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00318	**2006**	**2010**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (2 of 7 samples - 28.6%) were recorded at DEQ's ambient water quality monitoring station (3-MAH000.19) at the Route 651 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. The segment was previously listed, beginning in 1996, for a fecal coliform bacteria impairment.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Marsh Run**

TMDL Group ID: **00318**

VAN-E08R_MAH02A02	Marsh Run	FAUQUIER CO	Segment begins at the confluence with Craig Run and continues downstream until the confluence with Harpers Run, at approximately rivermile 2.4.

VA Overall AU Category: **5A**

Use	Impairment	5.91 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		00318	**1996**	**2010**	Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (3 of 4 samples - 75.0%) were recorded at DEQ's ambient water quality monitoring station (3-MAH004.18) at the Route 668 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sources: Source Unknown

TMDL Group ID: **00843**

VAN-E13R_MAS01A04	Marsh Run	GREENE CO ORANGE CO	Segment begins at the headwaters of Marsh Run and continues downstream until the confluence with the Rapidan River.

VA Overall AU Category: **5A**

Use	Impairment	5.19 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		00843	**2004**	**2016**	Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (4 of 13 samples - 30.8%) were recorded at DEQ's ambient water quality monitoring station (3-MAS001.55) at the Route 644 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sources: Source Unknown

TMDL Watershed Name: **Masons Mill Swamp**

TMDL Group ID: **01061**

VAP-E25E_MAO01A00	Masons Mill Swamp	MIDDLESEX CO	Tidal Masons Mill Swamp watershed - expanded in 2006. RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.17 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		01061	**2004**	**2016**	VAP-E25E-17 Tidal Masons Mill Swamp was assessed as not supporting the Aquatic Life Use based on a pH violation rate of 5/11 at 3-MAO000.62.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Massaponax Creek**

TMDL Group ID: **00850**

VAN-E20R_MAP02A02	Massaponax Creek	SPOTSYLVANIA CO	Segment begins at the confluence with an unnamed tributary to Massaponax Creek, just upstream of Route 1, and continues downstream until the confluence with another unnamed tributary, approximately 0.25 rivermile upstream of Ruffins Pond.

VA Overall AU Category: **5A**

Use	Impairment	6.04 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00850	**2006**	**2016**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (6 of 8 samples - 75.0%) were recorded at DEQ's ambient water quality monitoring station (3-MAP007.97) at the Route 1 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.
		Sources: Source Unknown				
Recreation	**Fecal Coliform**		00850	**2004**	**2016**	Although the data obtained during the 2006 assessment window shows exceedances of the instantaneous fecal coliform bacteria criterion (0 of 6 samples - 0.0%) is categorized as fully supporting, no additional data has been collected from the DEQ special study station (3-MAP002.61) at Route 609 bridge since the previous assessment window, when the stream reach was first listed as impaired. The segment shall remain categorized as impaired.
		Sources: Source Unknown				

TMDL Group ID: **60115**

VAN-E20R_MAP02A02	Massaponax Creek	SPOTSYLVANIA CO	Segment begins at the confluence with an unnamed tributary to Massaponax Creek, just upstream of Route 1, and continues downstream until the confluence with another unnamed tributary, approximately 0.25 rivermile upstream of Ruffins Pond.

VA Overall AU Category: **5A**

Use	Impairment	6.04 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		60115	**2006**	**2018**	Sufficient exceedances of the instantaneous pH criterion (3 of 8 samples - 37.5%) were recorded at DEQ's ambient water quality monitoring station (3-MAP007.97) at the Route 1 bridge to assess this stream segment as not supporting of the aquatic life use goal for the 2006 water quality assessment.
		Sources: Source Unknown				

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Meachim Creek**

TMDL Group ID: **00202**

VAP-E26E_MEA01A00	**Meachim Creek**	MIDDLESEX CO	The segment boundaries are delineated in VDH shellfish condemnation 179A, 11/17/2004. Expanded in 2006 RPPMH

VA Overall AU Category: **5D**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**	0.08	SQUARE MILES	00202	**1998**	**2005**	Category 4A VAP-E26E-01 VDH shellfish condemnation 179A, 11/17/2004 The Shellfish TMDL was completed during the 2006 cycle and approved by EPA on 11/15/2005. The segment should be considered Category 4A for Shellfish, although the EPA TMDL ID was not available at the time of assessment.

Sources: Non-Point Source

TMDL Group ID: **00203**

VAP-E26E_MEA01B00	**Meachim Creek**	MIDDLESEX CO	The segment is delineated in VDH shellfish condemnation 179B, 11/17/2004. RPPMH

VA Overall AU Category: **5D**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**	0.03	SQUARE MILES	00203	**1998**	**2005**	Category 4A VAP-E26E-02 VDH shellfish condemnation 030-179B, 11/17/2004 This area was included in the Meachim and Whiting Creek Shellfish TMDL, which was completed during the 2006 cycle and approved by EPA on 11/15/2005. The segment should be considered Category 4A for shellfish, however the EPA TMDL ID was not available at the time of assessment.

Sources: Non-Point Source

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Mill Creek**

TMDL Group ID: **01084**

VAP-E26E_MLL01A98	Mill Creek	MIDDLESEX CO	The segment boundaries are delineated in VDH shellfish condemnation 103, 12/10/1991 RPPMH.

VA Overall AU Category: **5A**

Use	Impairment	0.12 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01084	**1998**	**2010**	VAP-E26E-11 VDH shellfish condemnation 103, 12/10/1991

Sources: Source Unknown

TMDL Watershed Name: **Millenbeck Prong**

TMDL Group ID: **01083**

VAP-E26E_MIP01A00	Millenbeck Prong	LANCASTER CO	The boundaries are described in VDH shellfish condemnation 187B, 3/27/2002. Size adjusted in 2006, although area did not change CRRMH

VA Overall AU Category: **5A**

Use	Impairment	0.04 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01083	**1998**	**2010**	VAP-E26E-32 VDH shellfish condemnation 187B, 3/27/2002

Sources: Source Unknown

TMDL Watershed Name: **Morattico Creek**

TMDL Group ID: **01034**

VAP-E25E_MTT01A00	Morattico Creek	RICHMOND CO	The segment is delineated in VDH SFC 023-120A, 9/23/2004 Expanded in 2006 and incorporates previous segment MTT02A00 RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.33 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Chloride**		01034	**2004**	**2016**	VAP-E25E-16 Lancaster and Morattico Creeks were assessed not supporting of the Aquatic Life and Wildlife Uses based on chloride violations at multiple stations.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Morattico Creek**

TMDL Group ID: **01062**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-E25E_MTT01A00	**Morattico Creek**	RICHMOND CO	The segment is delineated in VDH SFC 023-120A, 9/23/2004 Expanded in 2006 and incorporates previous segment MTT02A00 RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.33 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01062	**1998**	**2010**	VAP-E25E-12 VDH shellfish condemnation 120A, 9/23/2004 Expanded in 2006

Sources: Source Unknown

TMDL Watershed Name: **Mosquito Creek**

TMDL Group ID: **01085**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-E26E_MOS01A00	**Mosquito Creek**	LANCASTER CO	The boundaries are delineated in VDH shellfish condemnation 203, 11/6/2003. Expanded in 2006 cycle RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01085	**2002**	**2014**	VAP-E26E-04 VDH-DSS Shellfish Condemnation 203, 11/6/2003

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Mount Landing Creek**

TMDL Group ID: **01048**

VAP-E23R_MTL01A98	Mount Landing Creek	ESSEX CO	Mount Landing Creek from the first tributary upstream of the Route 716 bridge downstream to the tidal limit at approximately river mile 4.44.

VA Overall AU Category: **5A**

Use	Impairment	1.19 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		01048	**2004**	**2016**	VAP-E23R-06

The segment was assessed as not supporting of the Recreation Use during the year 2004 cycle based on a fecal coliform violation rate of 4/35 at the Route 716 bridge (3-MTL004.82). During the 2006 cycle, the violation rate for FC was 0/15 and for E. coli was 1/9. Although the FC violation rate is acceptable, there has been no additional FC monitoring since 2002 and the recent E. coli monitoring is not sufficient for delisting. Therefore the segment must remain impaired based on the previous assessment until additional E. coli monitoring can be conducted.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Mountain Run**

TMDL Group ID: **00110**

VAN-E09R_MTN01A00	Mountain Run	CULPEPER CO	Segment begins at the confluence with Flat Run and continues downstream until the confluence with the Rappahannock River.

VA Overall AU Category: **5D**

Use	Impairment	7.40 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00110	**2006**	**2001**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (5 of 9 samples - 55.6%) were recorded at DEQ's ambient water quality monitoring station (3-MTN000.59) at the Route 620 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. The segment has been listed for a fecal coliform impairment since 1996. A fecal coliform TMDL for the Mountain Run watershed was developed and submitted to the U.S. EPA and approved on April 27, 2001. The sources of fecal coliform bacteria requiring reductions are livestock and wildlife waste delivered directly to the stream, runoff from pastureland, manure storage areas, and urban stormwater, and human contributions from straight pipes. Segment listed as Category 4A - Federal ID 20395.
		Sources:	Grazing in Riparian or Shoreline Zones Impervious Surface/Parking Lot Runoff Livestock (Grazing or Feeding Operations) Manure Runoff Runoff from Forest/Grassland/Parkland Sewage Discharges in Unsewered Areas Waterfowl Wildlife Other than Waterfowl			
Recreation	**Fecal Coliform**		00110	**1996**	**2001**	Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (10 of 25 samples - 40.0%) were recorded at DEQ's ambient water quality monitoring station (3-MTN000.59) at the Route 620 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. A fecal coliform TMDL for the Mountain Run watershed was developed and submitted to the U.S. EPA and approved on April 27, 2001. The sources of fecal coliform bacteria requiring reductions are livestock and wildlife waste delivered directly to the stream, runoff from pastureland, manure storage areas, and urban stormwater, and human contributions from straight pipes. Segment listed as Category 4A - Federal ID 20395.
		Sources:	Grazing in Riparian or Shoreline Zones Impervious Surface/Parking Lot Runoff Livestock (Grazing or Feeding Operations) Manure Runoff Runoff from Forest/Grassland/Parkland Sewage Discharges in Unsewered Areas Waterfowl Wildlife Other than Waterfowl			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Mountain Run**

TMDL Group ID: **20021**

VAN-E09R_MTN05A04	Mountain Run	CULPEPER CO	Segment begins at the confluence with an unnamed tributary that flows from Caymore Lake and continues downstream until Lake Pelham.

VA Overall AU Category: **5A**

Use	Impairment (1.57 MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	20021	**2006**	**2018**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (5 of 8 samples - 62.5%) were recorded at DEQ's ambient water quality monitoring station (3-MTN027.08) at the Route 641 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.
	Sources: Source Unknown				
Recreation	**Fecal Coliform**	20021	**2006**	**2018**	Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (4 of 9 samples - 44.4%) were recorded at DEQ's ambient water quality monitoring station (3-MTN027.08) at the Route 641 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.
	Sources: Source Unknown				

TMDL Group ID: **60096**

VAN-E17R_MTR02A02	Mountain Run	ORANGE CO	Segment begins at the headwaters of Mountain Run and continues downstream until the confluence with Mill Run.

VA Overall AU Category: **5A**

Use	Impairment (7.35 MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	60096	**2006**	**2018**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (6 of 12 samples - 50.0%) were recorded at DEQ's special study monitoring station (3-MTR010.60) at the Route 666 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.
	Sources: Source Unknown				

TMDL Group ID: **60137**

VAN-E09R_MTN01A00	Mountain Run	CULPEPER CO	Segment begins at the confluence with Flat Run and continues downstream until the confluence with the Rappahannock River.

VA Overall AU Category: **5D**

Use	Impairment (7.40 MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	60137	**2006**	**2018**	The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 12/13/04, limits American eel consumption to no more than two meals per month. The affected stretch of Mountain Run extends roughly 19 miles, from the Route 15/29 bridge crossing near Culpeper City downstream until the confluence with the Rappahannock River.
	Sources: Source Unknown				

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Mountain Run**

TMDL Group ID: **60137**

VAN-E09R_MTN02A04	Mountain Run	CULPEPER CO	Segment begins at the confluence with Jonas Run and continues downstream until the confluence with Flat Run.

VA Overall AU Category: **5A**

Use	Impairment	5.30 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		60137	**2006**	**2018**	The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 12/13/04, limits American eel consumption to no more than two meals per month. The affected stretch of Mountain Run extends roughly 19 miles, from the Route 15/29 bridge crossing near Culpeper City downstream until the confluence with the Rappahannock River.

Sources: Source Unknown

VAN-E09R_MTN03A00	Mountain Run	CULPEPER CO	Segment begins at the Route 15/29 bridge crossing and continues downstream until the confluence with Jonas Run.

VA Overall AU Category: **5A**

Use	Impairment	7.05 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		60137	**2006**	**2018**	The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 12/13/04, limits American eel consumption to no more than two meals per month. The affected stretch of Mountain Run extends roughly 19 miles, from the Route 15/29 bridge crossing near Culpeper City downstream until the confluence with the Rappahannock River.

Sources: Source Unknown

TMDL Group ID: **60152**

VAN-E09R_MTN04A04	Mountain Run	CULPEPER CO	Segment begins at the outlet from Lake Pelham and continues downstream until the Route 15/29 bridge crossing.

VA Overall AU Category: **5A**

Use	Impairment	4.48 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		60152	**2004**	**2016**	Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (2 of 8 samples - 25.0%) were recorded at DEQ's ambient water quality monitoring station (3-MTN022.49) at the Route 522 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Mud Creek**

TMDL Group ID: **10076**

VAP-E25R_MUC01A00 **Mud Creek** MIDDLESEX CO Mud Creek from its headwaters to the extent of tidal influence.

VA Overall AU Category: **5C**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	2.84	MILES	10076	**2006**	**2016**	VAP-E25R-01 Mud Creek was assessed as not supporting the Aquatic Life Use support goal based on a dissolved oxygen violation rate of 4/11 and a pH violation rate of 9/11 at 3-MUC002.31. The station was mistakenly classified as tidal during the 2004 cycle. Therefore, although the DO impairment was only first assigned to this segment in 2006, the TMDL due date is 2016.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

TMDL Group ID: **10077**

VAP-E25R_MUC01A00 **Mud Creek** MIDDLESEX CO Mud Creek from its headwaters to the extent of tidal influence.

VA Overall AU Category: **5C**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**	2.84	MILES	10077	**2006**	**2018**	VAP-E25R-01 Mud Creek was assessed as not supporting the Aquatic Life Use support goal based on a dissolved oxygen violation rate of 4/11 and a pH violation rate of 9/11 at 3-MUC002.31.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

TMDL Group ID: **10078**

VAP-E25E_MUC01A04 **Mud Creek** MIDDLESEX CO Described in VDH SFC 027-090A, 11/15/2004

RPPMH

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**	0.19	SQUARE MILES	10078	**2006**	**2018**	VAP-E25E-06 VDH Shellfish Condemnation 027-090A, 11/15/2004 The Shellfish TMDL report for "Rappahannock River: Mud and Parrotts Creeks" was approved by EPA on 11/15/2005. However, Mud Creek was open for harvest and the monitoring station was not included in the TMDL.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Muddy Creek**

TMDL Group ID: **00851**

VAN-E21R_MUY01A00	Muddy Creek	KING GEORGE CO STAFFORD CO	Segment begins at the confluence with an unnamed tributary to Muddy Creek, approximately 0.7 rivermile downstream from Route 218, and continues downstream until the confluence with the Rappahannock River.

VA Overall AU Category: **5C**

Use	Impairment	3.87 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		00851	**2004**	**2016**	Although the data obtained during the 2006 assessment window shows exceedances of the instantaneous pH criterion (1 of 4 samples - 25.0%) is categorized as not assessed, no data has been collected from the DEQ's ambient water quality monitoring station (3-MUY001.43) at Route 3 since the previous assessment window. The segment shall remain categorized as impaired.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

TMDL Watershed Name: **Mulberry Creek**

TMDL Group ID: **01063**

VAP-E25E_MUB01A02	Mulberry Creek	LANCASTER CO	The segment boundaries are delineated in VDH shellfish condemnation 023-021A, 9/23/2004 Size reduced in 2006 RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.27 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01063	**1998**	**2010**	VAP-E25E-13 VDH shellfish condemnation 023-121A, 9/23/2004 - Size reduced in 2006 cycle.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Mulberry Creek**

TMDL Group ID: **01064**

VAP-E25E_MUB01A02	Mulberry Creek	LANCASTER CO	The segment boundaries are delineated in VDH shellfish condemnation 023-021A, 9/23/2004 Size reduced in 2006 RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.27 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		01064	**1998**	**2016**	VAP-E25E-13 In 2004, the segment was assessed as not supporting the Recreation Use due to a fecal coliform violation rate of 2/18 at 3-MUB000.46, located at the end of Route 748. There has been no additional monitoring since 2001. The TMDL is due in 2016. The size was adjusted in 2006 to remain coincident with the shellfish condemnation.

Sources: Source Unknown

TMDL Group ID: **10075**

VAP-E25E_MUB01A02	Mulberry Creek	LANCASTER CO	The segment boundaries are delineated in VDH shellfish condemnation 023-021A, 9/23/2004 Size reduced in 2006 RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.27 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Chloride**		10075	**2006**	**2018**	VAP-E25E-03 Mulberry Creek was assessed as impaired of the Aquatic Life Use based on chloride violations at 3-MUB000.46.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

Wildlife	**Chloride**		10075	**2006**	**2018**	VAP-E25E-03 Mulberry Creek was assessed as impaired of the Aquatic Life Use based on chloride violations at 3-MUB000.46.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Mulberry Creek**

TMDL Group ID: **10075**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-E25E_MUB02A06	**Mulberry Creek**	LANCASTER CO	Downstream of VDH shellfish condemnation 023-021A, 9/23/2004 Size reduced in 2006 RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.22 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Chloride**		10075	**2006**	**2018**	VAP-E25E-03 Mulberry Creek was assessed as impaired of the Aquatic Life Use based on chloride violations at 3-MUB000.46.
		Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed				
Wildlife	**Chloride**		10075	**2006**	**2018**	VAP-E25E-03 Mulberry Creek was assessed as impaired of the Aquatic Life Use based on chloride violations at 3-MUB000.46.
		Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed				

TMDL Group ID: **90705**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-E25E_MTT01A00	**Morattico Creek**	RICHMOND CO	The segment is delineated in VDH SFC 023-120A, 9/23/2004 Expanded in 2006 and incorporates previous segment MTT02A00 RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.33 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Wildlife	**Chloride**		90705	**2004**	**2016**	VAP-E25E-16 Lancaster and Morattico Creeks were assessed not supporting of the Aquatic Life and Wildlife Uses based on chloride violations at multiple stations.
		Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed				

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Mussell Swamp**

TMDL Group ID: **10103**

VAP-E23R_MUS01A04	Mussell Swamp	ESSEX CO	Headwaters to tidal limit

VA Overall AU Category: **5C**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	4.13	MILES	10103	**2006**	**2018**	VAP-E23R-12

In 2006, Mussell Swamp was assessed as impaired for the Aquatic Life Use based on a DO violation rate of 2/16 at 3-MUS001.23. Although natural conditions are suspected, the segment is assessed as Cat. 5C until the natural conditions assessment for DO can be performed.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

TMDL Watershed Name: **Myer Creek**

TMDL Group ID: **01086**

VAP-E26E_MYE01A00	Myer Creek	LANCASTER CO	The boundaries are described in VDH shellfish condemnation 198B, 11/6/2003. Size adjusted in 2006 CRRMH

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**	0.08	SQUARE MILES	01086	**1998**	**2010**	VAP-E26E-05 VDH shellfish condemnation 21-198B, 11/6/2003

Sources: Source Unknown

TMDL Group ID: **01087**

VAP-E26E_MYE01B02	Myer Creek, UT	LANCASTER CO	As described in VDH-DSS SFC 21-198C, 11/6/2003. Size adjusted in 2006, although area did not change CRRMH

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**	0.04	SQUARE MILES	01087	**2002**	**2014**	VAP-E26E-31 VDH-DSS Shellfish Condemnation 21-198C, 11/6/2003

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Myer Creek**

TMDL Group ID: **01088**

VAP-E26E_MYE01C04	Myer Creek	LANCASTER CO	Described in VDH Condemnation 21-198A, 11/6/2003

CRRMH

VA Overall AU Category: **5A**

Use	Impairment	0.05 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01088	**2004**	**2016**	VAP-E26E-36 VDH Shellfish Condemnation 21-198A, 11/6/2003

Sources: Source Unknown

TMDL Watershed Name: **Occupacia Creek**

TMDL Group ID: **00255**

VAP-E22R_OCC01A98	Occupacia Creek	ESSEX CO	Occupacia Creek from Hunters Millpond downstream to the tidal limit.

VA Overall AU Category: **5A**

Use	Impairment	2.76 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00255	**2006**	**2014**	VAP-E22R-01 Occupacia Creek was initially assessed as impaired of the Recreation Use during the 2002 cycle. During the 2006 cycle, the segment remained not supporting based on a fecal coliform violation rate of3/19 at the Route 17 bridge (3-OCC010.47). In addition, in 2006 the segment is also impaired for E. coli based on a violation rate of 2/11 at 3-OCC010.47. The bacteria TMDL is due in 2014.

Sources: Source Unknown

Recreation	**Fecal Coliform**		00255	**2002**	**2014**	VAP-E22R-01 Occupacia Creek was initially assessed as impaired of the Recreation Use during the 2002 cycle. During the 2006 cycle, the segment remained not supporting based on a fecal coliform violation rate of3/19 at the Route 17 bridge (3-OCC010.47). In addition, in 2006 the segment is also impaired for E. coli based on a violation rate of 2/11 at 3-OCC010.47. The bacteria TMDL is due in 2014.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Occupacia Creek and tributaries**

TMDL Group ID: **10111**

VAP-E22R_OCC01B06	Occupacia Creek and tributaries	ESSEX CO	Occupacia Creek from the headwaters to Hunters Millpond dam, and all tribs entering above the tidal limit.

VA Overall AU Category: **5C**

Use	Impairment	37.10 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		10111	**2006**	**2018**	VAP-E22R-03 Since 2002, Occupacia Creek from the Hunters Millpond dam downstream to the tidal limit has been assessed as not supporting for the Aquatic Life Use based on pH violations at 3-OCC010.47. During the 2006 cycle, a Natural Conditions Assessment for low pH in Occupacia Creek was performed. The report recommends that the tidal Occupacia Creek watershed above the fall line (including Black Water Creek and its tribs) be reclassified as Class VII swampwaters. Until the reclassification, the watershed will be considered Cat. 4C for pH. The segment also shows impairment for dissolved oxygen. Although the low DO is believed to be caused by natural low-slope conditions, the segment is assessed as Cat. 5C.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

TMDL Watershed Name: **Parrotts Creek**

TMDL Group ID: **00199**

VAP-E25E_PRR01A02	Parrotts Creek	MIDDLESEX CO	The segment boundaries are delineated in VDH shellfish condemnation 027-090B, 11/15/2004. RPPMH

VA Overall AU Category: **5D**

Use	Impairment	0.16 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		00199	**1998**	**2005**	Category 4A VAP-E25E-07 The Shellfish TMDL report for "Rappahannock River: Mud and Parrotts Creeks" was approved by EPA on 11/15/2005. Therefore, the shellfish impairment is considered Cat. 4A.

Sources: Non-Point Source

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Piscataway Creek**

TMDL Group ID: **01029**

VAP-E23E_PIS02A00 **Piscataway Creek** ESSEX CO The estuarine portion of Piscataway Creek.

RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.71 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Chloride**		01029	**2004**	**2016**	VAP-E23E-04 In the 2004 cycle, the segment was assessed not supporting of the Aquatic Life and Wildlife Uses due to chloride violations. This TMDL is due in 2016.
		Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed				
Wildlife	**Chloride**		01029	**2004**	**2016**	VAP-E23E-04 In the 2004 cycle, the segment was also assessed not supporting of the Aquatic Life and Wildlife Uses due to chloride violations. This TMDL is due in 2016.
		Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed				

TMDL Group ID: **01040**

VAP-E23E_PIS02A00 **Piscataway Creek** ESSEX CO The estuarine portion of Piscataway Creek.

RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.71 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01040	**1998**	**2010**	VAP-E23E-01 Portion of VDH-DSS Shellfish Condemnation 068A, 3/26/2004
		Sources: Source Unknown				

TMDL Watershed Name: **Piscataway Creek, Unnamed Tributary**

TMDL Group ID: **10101**

VAP-E23R_XFN01A04 **UT to Piscataway Creek** ESSEX CO Headwaters to mouth at Piscataway Creek

VA Overall AU Category: **5C**

Use	Impairment	3.25 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		10101	**2006**	**2018**	VAP-E23R-10 During the 2006 cycle, UT XFN was assessed as impaired of the Aquatic Life Use based on a dissolved oxygen violation rate of 2/15 at 3-XFN000.01. Natural conditions are suspected, therefore the segment is assessed as Cat. 5C until the natural conditions assessment for DO can be performed.
		Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed				

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Piscataway Creek, Unnamed Tributary**

TMDL Group ID: **10102**

VAP-E23R_XFM01A04	UT to Piscataway Creek	ESSEX CO	Headwaters to mouth

VA Overall AU Category: **5C**

Use	Impairment	3.01 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		10102	**2006**	**2018**	VAP-E23R-11 During the 2006 cycle, UT XFM was assessed as impaired of the Aquatic Life Use based on a dissolved oxygen violation rate of 2/18 at 3-XFM000.82. Natural conditions are suspected.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

TMDL Watershed Name: **Rapidan River**

TMDL Group ID: **00320**

VAN-E18R_RAP03A02	Rapidan River	CULPEPER CO SPOTSYLVANIA CO	Segment begins at the confluence with Wilderness Run, rivermile 7.78, and continues downstream until the confluence with Middle Run.

VA Overall AU Category: **5A**

Use	Impairment	2.68 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00320	**2006**	**2010**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (7 of 12 samples - 58.3%) were recorded at DEQ's ambient water quality monitoring station (3-RAP006.53) at the Route 610 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. The segment was previously listed for fecal coliform, beginning in 2002.

Sources: Source Unknown

TMDL Group ID: **00844**

VAN-E13R_RAP01A00	Rapidan River	MADISON CO ORANGE CO	Segment begins at the confluence with Poplar Run and continues downstream until the confluence with the Robinson River.

VA Overall AU Category: **5A**

Use	Impairment	7.50 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00844	**2006**	**2014**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (6 of 14 samples - 42.8%) were recorded at DEQ's ambient water quality monitoring station (3-RAP045.08) at the Route 15 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. The segment was previously listed for fecal coliform bacteria impairment, beginning in 2002, but is no longer applicable since enough E.coli sampling events have occurred.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rapidan River**

TMDL Group ID: **60082**

VAN-E12R_RAP01A00	Rapidan River	GREENE CO MADISON CO	Segment begins at the Route 29 crossing, at rivermile 66.54, and continues downstream until the confluence with White Run.

VA Overall AU Category: **5A**

Use	Impairment	2.07 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		60082	**2006**	**2018**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (4 of 15 samples - 26.7%) were recorded at DEQ's ambient water quality monitoring station (3-RAP066.54) at the Route 29 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sources: Source Unknown

VAN-E12R_RAP01B06	Rapidan River	GREENE CO MADISON CO	Segment begins at the confluence with the Conway River and continues downstream until the Route 29 crossing, at rivermile 66.54.

VA Overall AU Category: **5A**

Use	Impairment	4.86 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		60082	**2006**	**2018**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (4 of 15 samples - 26.7%) were recorded at DEQ's ambient water quality monitoring station (3-RAP066.54) at the Route 29 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sources: Source Unknown

TMDL Group ID: **60087**

VAN-E13R_RAP02A06	Rapidan River	MADISON CO ORANGE CO	Segment begins at the confluence with Marsh Run and continues downstream until the confluence with Blue Run.

VA Overall AU Category: **5A**

Use	Impairment	4.59 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		60087	**2006**	**2018**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (2 of 6 samples - 33.3%) were recorded at DEQ's ambient water quality monitoring station (3-RAP055.84) at the Route 231 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sources: Source Unknown

Recreation	**Fecal Coliform**	60087	**2006**	**2018**	Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (3 of 11 samples - 27.3%) were recorded at DEQ's ambient water quality monitoring station (3-RAP055.84) at the Route 231 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rapidan River**

TMDL Group ID: **60094**

VAN-E16R_RAP01A04	Rapidan River	CULPEPER CO ORANGE CO	Segment begins at the confluence with an unnamed tributary to the Rapidan River, at rivermile 34.5, approximately 0.6 rivermile downstream from Route 689, and continues downstream until the confluence with Cedar Run.

VA Overall AU Category: **5A**

Use	Impairment	4.58 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		60094	**2006**	**2018**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (7 of 15 - 46.7%) were recorded at DEQ's ambient water quality monitoring station (3-RAP030.21) at the Route 522 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sources: Source Unknown

TMDL Watershed Name: **Rapidan River, Unnamed Tributary**

TMDL Group ID: **00845**

VAN-E13R_XEZ01A04	Unnamed tributary to the Rapidan River	ORANGE CO	Segment begins at the headwaters of the unnamed tributary and continues downstream until the confluence with the Rapidan River.

VA Overall AU Category: **5A**

Use	Impairment	2.57 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00845	**2006**	**2016**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (2 of 5 samples - 40.0%) were recorded at DEQ's ambient water quality monitoring station (3-XEZ000.12) at the Route 634 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. The segment was previously listed for fecal coliform bacteria impairment, beginning in 2004.

Sources: Source Unknown

Recreation	**Fecal Coliform**		00845	**2004**	**2016**	Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (3 of 7 samples - 42.8%) were recorded at DEQ's ambient water quality monitoring station (3-XEZ000.12) at the Route 634 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sources: Source Unknown

TMDL Group ID: **60088**

VAN-E13R_XBO01A04	Unnamed tributary to Rapidan River	MADISON CO	Segment begins at the headwaters of the unnamed tributary and continues downstream until the confluence with the Rapidan River.

VA Overall AU Category: **5A**

Use	Impairment	3.91 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		60088	**2006**	**2018**	Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (5 of 7 samples - 71.4%) were recorded at DEQ's ambient water quality monitoring station (3-XBO000.26) at the Route 621 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River**

TMDL Group ID: **01028**

VAP-E22E_RPP01A02 **Rappahannock River** ESSEX CO WESTMORELAND CO

The Rappahannock River from Devils Elbow at Toby Point and Green Bay (river mile 70.52) downstream to the tidal freshwater/oligohaline boundary at river mile 57.85.

RPPTF

VA Overall AU Category: **5A**

Use	Impairment	5.42 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Chloride**		01028	**2004**	**2016**	VAP-E22E-08 The lower tidal freshwater and transitional areas of the Rappahannock River are assessed as not supporting the Aquatic Life and Wildlife Uses based on chloride violations at multiple stations.
		Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed				
Wildlife	**Chloride**		01028	**2004**	**2016**	VAP-E22E-08 The lower tidal freshwater and transitional areas of the Rappahannock River are assessed as not supporting the Aquatic Life and Wildlife Uses based on chloride violations at multiple stations.
		Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed				

VAP-E22E_RPP02A02 **Rappahannock River** ESSEX CO WESTMORELAND CO

The Rappahannock River from the tidal freshwater/oligohaline boundary downstream to river mile 51.04.

RPPOH

VA Overall AU Category: **5A**

Use	Impairment	0.32 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Chloride**		01028	**2004**	**2016**	VAP-E22E-08 The lower tidal freshwater and transitional areas of the Rappahannock River are assessed as not supporting the Aquatic Life and Wildlife Uses based on chloride violations at multiple stations.
		Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed				
Wildlife	**Chloride**		01028	**2004**	**2016**	VAP-E22E-08 The lower tidal freshwater and transitional areas of the Rappahannock River are assessed as not supporting the Aquatic Life and Wildlife Uses based on chloride violations at multiple stations.
		Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed				

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River**

TMDL Group ID: **01028**

VAP-E22E_RPP03A02 **Rappahannock River** ESSEX CO RICHMOND CO

The Rappahannock River from river mile 51.04 to river mile 49.04.

RPPOH

VA Overall AU Category: **5A**

Use	Impairment	1.60 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Chloride**		01028	**2004**	**2016**	VAP-E22E-08 The lower tidal freshwater and transitional areas of the Rappahannock River are assessed as not supporting the Aquatic Life and Wildlife Uses based on chloride violations at multiple stations.
		Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed				
Wildlife	**Chloride**		01028	**2004**	**2016**	VAP-E22E-08 The lower tidal freshwater and transitional areas of the Rappahannock River are assessed as not supporting the Aquatic Life and Wildlife Uses based on chloride violations at multiple stations.
		Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed				

VAP-E22E_RPP04A02 **Rappahannock River** ESSEX CO RICHMOND CO

The Rappahannock River from river mile 49.04 downstream to the oligohaline/mesohaline boundary at approximately river mile 48.51.

RPPOH

VA Overall AU Category: **5A**

Use	Impairment	0.93 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Chloride**		01028	**2004**	**2016**	VAP-E22E-08 The lower tidal freshwater and transitional areas of the Rappahannock River are assessed as not supporting the Aquatic Life and Wildlife Uses based on chloride violations at multiple stations.
		Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed				
Wildlife	**Chloride**		01028	**2004**	**2016**	VAP-E22E-08 The lower tidal freshwater and transitional areas of the Rappahannock River are assessed as not supporting the Aquatic Life and Wildlife Uses based on chloride violations at multiple stations.
		Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed				

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River**

TMDL Group ID: **01028**

VAP-E22E_RPP05A02 — **Rappahannock River** — ESSEX CO, RICHMOND CO

The oligohaline/mesohaline boundary at river mile 48.51 downstream to the upstream limit of VDH shellfish condemnation area 068A in E23.

2006: incorporates old segments VAP-E22E_RPP06A02 & VAP-E23E_RPP01A00 & extended

RPPMH

VA Overall AU Category: **5A**

Use	Impairment	6.95 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Chloride**		01028	**2004**	**2016**	VAP-E22E-08 The lower tidal freshwater and transitional areas of the Rappahannock River are assessed as not supporting the Aquatic Life and Wildlife Uses based on chloride violations at multiple stations.
		Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed				
Wildlife	**Chloride**		01028	**2004**	**2016**	VAP-E22E-08 The lower tidal freshwater and transitional areas of the Rappahannock River are assessed as not supporting the Aquatic Life and Wildlife Uses based on chloride violations at multiple stations.
		Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed				

VAP-E23E_RPP02A98 — **Rappahannock River** — ESSEX CO, RICHMOND CO

Mainstem Rappahannock as described in VDH shellfish condemnation 068A, 3/26/2004.

Segment extended in 2006

RPPMH

VA Overall AU Category: **5A**

Use	Impairment	5.48 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Chloride**		01028	**2004**	**2016**	VAP-E22E-08 The lower tidal freshwater and transitional areas of the Rappahannock River are assessed as not supporting the Aquatic Life and Wildlife Uses based on chloride violations at multiple stations.
		Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed				
Wildlife	**Chloride**		01028	**2004**	**2016**	VAP-E22E-08 The lower tidal freshwater and transitional areas of the Rappahannock River are assessed as not supporting the Aquatic Life and Wildlife Uses based on chloride violations at multiple stations.
		Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed				

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River**

TMDL Group ID: **01028**

VAP-E23E_RPP03A00 — **Rappahannock River** — ESSEX CO, RICHMOND CO

The Rappahannock River from the VDH shellfish condemnation 068A downstream to Sharps/0.7mi DS of Mark Haven Beach. Incorporates previous segment VAP-E24E_RPP01A98 and extended.

RPPMH

VA Overall AU Category: **5A**

Use	Impairment	20.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Chloride**		01028	**2004**	**2016**	VAP-E22E-08, VAN-E20E-03, VAP-E22E-01 The lower tidal freshwater and transitional areas of the Rappahannock River are assessed as not supporting the Aquatic Life and Wildlife Uses based on chloride violations at multiple stations.
		Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed				
Wildlife	**Chloride**		01028	**2004**	**2016**	VAP-E22E-08 The lower tidal freshwater and transitional areas of the Rappahannock River are assessed as not supporting the Aquatic Life and Wildlife Uses based on chloride violations at multiple stations.
		Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed				

VAP-E24E_RPP01C06 — **Rappahannock River** — RICHMOND CO

The Rappahannock River within the VDH shellfish condemnation 025-071A, 12/22/2004

RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.16 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Chloride**		01028	**2004**	**2016**	VAP-E22E-08, VAN-E20E-03, VAP-E22E-01 The lower tidal freshwater and transitional areas of the Rappahannock River are assessed as not supporting the Aquatic Life and Wildlife Uses based on chloride violations at multiple stations.
		Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed				
Wildlife	**Chloride**		01028	**2004**	**2016**	VAP-E22E-08 The lower tidal freshwater and transitional areas of the Rappahannock River are assessed as not supporting the Aquatic Life and Wildlife Uses based on chloride violations at multiple stations.
		Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed				

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River**

TMDL Group ID: **01028**

VAP-E24E_RPP02B06 **Rappahannock River** ESSEX CO RICHMOND CO

The Rappahannock River as described in VDH SFC 028-M271, 4/1/1995

RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Chloride**		01028	**2004**	**2016**	VAP-E22E-08, VAN-E20E-03, VAP-E22E-01 The lower tidal freshwater and transitional areas of the Rappahannock River are assessed as not supporting the Aquatic Life and Wildlife Uses based on chloride violations at multiple stations.
		Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed				
Wildlife	**Chloride**		01028	**2004**	**2016**	VAP-E22E-08 The lower tidal freshwater and transitional areas of the Rappahannock River are assessed as not supporting the Aquatic Life and Wildlife Uses based on chloride violations at multiple stations.
		Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed				

VAP-E25E_RPP01A02 **Rappahannock River** ESSEX CO RICHMOND CO

The mainstem of the Rappahannock River from Sharps/0.7 mi DS of Mark Haven Beach to the WQS saltwater boundary at Buoy 11 near Morattico

Size adjusted in 2006

RPPMH

VA Overall AU Category: **5A**

Use	Impairment	12.20 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Chloride**		01028	**2004**	**2016**	VAP-E22E-08 The lower tidal freshwater and transitional areas of the Rappahannock River are assessed as not supporting the Aquatic Life and Wildlife Uses based on chloride violations at multiple stations.
		Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed				
Wildlife	**Chloride**		01028	**2004**	**2016**	VAP-E22E-08 The lower tidal freshwater and transitional areas of the Rappahannock River are assessed as not supporting the Aquatic Life and Wildlife Uses based on chloride violations at multiple stations.
		Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed				

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River**

TMDL Group ID: **01028**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-E25E_RPP03A06	**Rappahannock River**	RICHMOND CO	Described in VDH SFC 024-M192, 4/1/1995 RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Chloride**		01028	**2004**	**2016**	VAP-E22E-08, VAN-E20E-03, VAP-E22E-01 The lower tidal freshwater and transitional areas of the Rappahannock River are assessed as not supporting the Aquatic Life and Wildlife Uses based on chloride violations at multiple stations.
		Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed				
Wildlife	**Chloride**		01028	**2004**	**2016**	VAP-E22E-08 The lower tidal freshwater and transitional areas of the Rappahannock River are assessed as not supporting the Aquatic Life and Wildlife Uses based on chloride violations at multiple stations.
		Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed				

TMDL Group ID: **01041**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-E23E_RPP02A98	**Rappahannock River**	ESSEX CO RICHMOND CO	Mainstem Rappahannock as described in VDH shellfish condemnation 068A, 3/26/2004. Segment extended in 2006 RPPMH

VA Overall AU Category: **5A**

Use	Impairment	5.48 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01041	**1998**	**2010**	VAP-E23E-01 VDH Shellfish Condemnation 068A, 3/24/2004 Expanded in 2006
		Sources: Source Unknown				

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-E23E_ZZZ02A06	**Unsegmented estuaries in E23**	ESSEX CO RICHMOND CO	Unsegmented portion within SFC 068A, 3/26/2004 RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.06 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01041	**2006**	**2010**	VAP-E23E-01 VDH Shellfish Condemnation 068A, 3/26/2004
		Sources: Source Unknown				

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River**

TMDL Group ID: **01089**

VAP-E26E_RPP02A00	Rappahannock River	MIDDLESEX CO	The Rappahannock River in the area delineated in VDH shellfish condemnation 051A. Size corrected in 2006 cycle. RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.13 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01089	**1998**	**2010**	VAP-E26E-22 VDH Shellfish Condemnation 051A, 9/10/1997

Sources: Source Unknown

TMDL Group ID: **01090**

VAP-E26E_RPP04A00	Rappahannock River	MIDDLESEX CO	VDH Shellfish Condemnation 051B, 9/10/1997 Sq. mileage adjusted in 2006, although area did not change RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01090	**1998**	**2010**	VAP-E26E-23 VDH Shellfish Condemnation 051B, 9/10/1997

Sources: Source Unknown

TMDL Group ID: **01091**

VAP-E26E_RPP07A02	Rappahannock River	LANCASTER CO	As delineated in VDH-DSS SFC 053A, 9/16/1993 RPPMH.

VA Overall AU Category: **5A**

Use	Impairment	0.10 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01091	**2002**	**2014**	VAP-E26E-28 VDH-DSS Shellfish Condemnation 053A, 9/16/1993

Sources: Municipal Point Source Discharges

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River**

TMDL Group ID: **10069**

VAP-E22E_RPP01A02	Rappahannock River	ESSEX CO WESTMORELAND CO	The Rappahannock River from Devils Elbow at Toby Point and Green Bay (river mile 70.52) downstream to the tidal freshwater/oligohaline boundary at river mile 57.85. RPPTF

VA Overall AU Category: **5A**

Use	Impairment	5.42 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10069	**2006**	**2010**	VAN-E20E-02 The tidal freshwater Rappahannock failed the SAV acreage requirements of the Shallow Water subuse during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10069	**2006**	**2010**	VAN-E20E-02 The tidal freshwater Rappahannock failed the SAV acreage requirements of the Shallow Water Use during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River**

TMDL Group ID: **10069**

VAP-E22E_ZZZ01A00	Unsegmented estuaries in E22	ESSEX CO WESTMORELAND CO	Unsegmented portion of watershed. RPPTF

VA Overall AU Category: **5A**

Use	Impairment	0.29 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10069	**2006**	**2010**	VAN-E20E-02 The tidal freshwater Rappahannock River failed the SAV acreage requirements for the Shallow Water Use during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10069	**2006**	**2010**	VAN-E20E-02 The tidal freshwater Rappahannock River failed the SAV acreage requirements for the Shallow Water Use during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River**

TMDL Group ID: **10070**

VAP-E22E_RPP01A02 — **Rappahannock River** — ESSEX CO, WESTMORELAND CO

The Rappahannock River from Devils Elbow at Toby Point and Green Bay (river mile 70.52) downstream to the tidal freshwater/oligohaline boundary at river mile 57.85.

RPPTF

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	5.42	SQUARE MILES	10070	**2006**	**2018**	VAN-E20E-03

The Rappahannock River from the I-95 bridge above Fredericksburg to the mouth near Stingray Point is under a 12/13/2004 VDH fish consumption advisory for PCBs in American eel, blue catfish, carp, channel catfish, croaker, gizzard shad, anadromous (coastal) striped bass.

Sources: Source Unknown

VAP-E22E_RPP02A02 — **Rappahannock River** — ESSEX CO, WESTMORELAND CO

The Rappahannock River from the tidal freshwater/oligohaline boundary downstream to river mile 51.04.

RPPOH

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.32	SQUARE MILES	10070	**2006**	**2018**	VAN-E20E-03

The Rappahannock River from the I-95 bridge above Fredericksburg to the mouth near Stingray Point is under a 12/13/2004 VDH fish consumption advisory for PCBs in American eel, blue catfish, carp, channel catfish, croaker, gizzard shad, anadromous (coastal) striped bass.

Sources: Source Unknown

VAP-E22E_RPP03A02 — **Rappahannock River** — ESSEX CO, RICHMOND CO

The Rappahannock River from river mile 51.04 to river mile 49.04.

RPPOH

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	1.60	SQUARE MILES	10070	**2006**	**2018**	VAN-E20E-03

The Rappahannock River is under a 12/13/2004 VDH fish consumption advisory for PCBs in American eel, blue catfish, carp, channel catfish, croaker, gizzard shad, anadromous (coastal) striped bass.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River**

TMDL Group ID: **10070**

VAP-E22E_RPP04A02 — **Rappahannock River** — ESSEX CO, RICHMOND CO

The Rappahannock River from river mile 49.04 downstream to the oligohaline/mesohaline boundary at approximately river mile 48.51.

RPPOH

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.93	SQUARE MILES	10070	**2006**	**2018**	VAN-E20E-03

The Rappahannock River is under a 12/13/2004 VDH fish consumption advisory for PCBs in American eel, blue catfish, carp, channel catfish, croaker, gizzard shad, anadromous (coastal) striped bass.

Sources: Source Unknown

VAP-E22E_RPP05A02 — **Rappahannock River** — ESSEX CO, RICHMOND CO

The oligohaline/mesohaline boundary at river mile 48.51 downstream to the upstream limit of VDH shellfish condemnation area 068A in E23.

2006: incorporates old segments VAP-E22E_RPP06A02 & VAP-E23E_RPP01A00 & extended

RPPMH

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	6.95	SQUARE MILES	10070	**2006**	**2018**	VAN-E20E-03

The Rappahannock River is under a 12/13/2004 VDH fish consumption advisory for PCBs in American eel, blue catfish, carp, channel catfish, croaker, gizzard shad, anadromous (coastal) striped bass.

Sources: Source Unknown

VAP-E23E_RPP02A98 — **Rappahannock River** — ESSEX CO, RICHMOND CO

Mainstem Rappahannock as described in VDH shellfish condemnation 068A, 3/26/2004.

Segment extended in 2006

RPPMH

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	5.48	SQUARE MILES	10070	**2006**	**2018**	VAN-E20E-03

The Rappahannock River is under a 12/13/2004 VDH fish consumption advisory for PCBs in American eel, blue catfish, carp, channel catfish, croaker, gizzard shad, anadromous (coastal) striped bass.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River**

TMDL Group ID: **10070**

VAP-E23E_RPP03A00 — **Rappahannock River** — ESSEX CO, RICHMOND CO

The Rappahannock River from the VDH shellfish condemnation 068A downstream to Sharps/0.7mi DS of Mark Haven Beach. Incorporates previous segment VAP-E24E_RPP01A98 and extended.

RPPMH

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	20.03	SQUARE MILES	10070	**2006**	**2018**	VAN-E20E-03

The Rappahannock River is under a 12/13/2004 VDH fish consumption advisory for PCBs in American eel, blue catfish, carp, channel catfish, croaker, gizzard shad, anadromous (coastal) striped bass.

Sources: Source Unknown

VAP-E24E_RPP01C06 — **Rappahannock River** — RICHMOND CO

The Rappahannock River within the VDH shellfish condemnation 025-071A, 12/22/2004

RPPMH

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.16	SQUARE MILES	10070	**2006**	**2018**	VAN-E20E-03

The Rappahannock River is under a 12/13/2004 VDH fish consumption advisory for PCBs in American eel, blue catfish, carp, channel catfish, croaker, gizzard shad, anadromous (coastal) striped bass.

Sources: Source Unknown

VAP-E24E_RPP02B06 — **Rappahannock River** — ESSEX CO, RICHMOND CO

The Rappahannock River as described in VDH SFC 028-M271, 4/1/1995

RPPMH

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.03	SQUARE MILES	10070	**2006**	**2018**	VAN-E20E-03

The Rappahannock River is under a 12/13/2004 VDH fish consumption advisory for PCBs in American eel, blue catfish, carp, channel catfish, croaker, gizzard shad, anadromous (coastal) striped bass.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River**

TMDL Group ID: **10070**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-E25E_RPP01A02	**Rappahannock River**	ESSEX CO RICHMOND CO	The mainstem of the Rappahannock River from Sharps/0.7 mi DS of Mark Haven Beach to the WQS saltwater boundary at Buoy 11 near Morattico Size adjusted in 2006 RPPMH

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	12.20	SQUARE MILES	10070	**2006**	**2018**	VAN-E20E-03 The Rappahannock River is under a 12/13/2004 VDH fish consumption advisory for PCBs in American eel, blue catfish, carp, channel catfish, croaker, gizzard shad, anadromous (coastal) striped bass.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-E25E_RPP02A02	**Rappahannock River**	LANCASTER CO MIDDLESEX CO	The mainstem of the Rappahannock River from Buoy 11 near Morattico downstream to the mouth, excluding area in SFC 051A. Multiple Rappahannock segments merged together in 2006 RPPMH

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	66.80	SQUARE MILES	10070	**2006**	**2010**	VAN-E20E-03 The Rappahannock River is under a 12/13/2004 VDH fish consumption advisory for PCBs in American eel, blue catfish, carp, channel catfish, croaker, gizzard shad, anadromous (coastal) striped bass.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-E25E_RPP03A06	**Rappahannock River**	RICHMOND CO	Described in VDH SFC 024-M192, 4/1/1995 RPPMH

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.01	SQUARE MILES	10070	**2006**	**2018**	VAN-E20E-03 The Rappahannock River is under a 12/13/2004 VDH fish consumption advisory for PCBs in American eel, blue catfish, carp, channel catfish, croaker, gizzard shad, anadromous (coastal) striped bass.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River**

TMDL Group ID: **10070**

VAP-E26E_RPP02A00 | **Rappahannock River** | MIDDLESEX CO

The Rappahannock River in the area delineated in VDH shellfish condemnation 051A.

Size corrected in 2006 cycle.

RPPMH

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.13	SQUARE MILES	10070	**2006**	**2018**	VAN-E20E-03

The Rappahannock River is under a 12/13/2004 VDH fish consumption advisory for PCBs in American eel, blue catfish, carp, channel catfish, croaker, gizzard shad, anadromous (coastal) striped bass.

Sources: Source Unknown

VAP-E26E_RPP03A00 | **Rappahannock River** | MIDDLESEX CO

The Rappahannock River in the area delineated in VDH shellfish condemnation 051D, 9/10/1997.

RPPMH

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.03	SQUARE MILES	10070	**2006**	**2018**	VAN-E20E-03

The Rappahannock River is under a 12/13/2004 VDH fish consumption advisory for PCBs in American eel, blue catfish, carp, channel catfish, croaker, gizzard shad, anadromous (coastal) striped bass.

Sources: Source Unknown

VAP-E26E_RPP04A00 | **Rappahannock River** | MIDDLESEX CO

VDH Shellfish Condemnation 051B, 9/10/1997

Sq. mileage adjusted in 2006, although area did not change

RPPMH

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.02	SQUARE MILES	10070	**2006**	**2018**	VAN-E20E-03

The Rappahannock River is under a 12/13/2004 VDH fish consumption advisory for PCBs in American eel, blue catfish, carp, channel catfish, croaker, gizzard shad, anadromous (coastal) striped bass.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River**

TMDL Group ID: **10070**

VAP-E26E_RPP05A00 **Rappahannock River** MIDDLESEX CO The area delineated in VDH shellfish condemnation 051E, 9/10/1997 RPPMH.

VA Overall AU Category: **5A**

Use	Impairment	0.14 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		10070	**2006**	**2018**	VAN-E20E-03

The Rappahannock River is under a 12/13/2004 VDH fish consumption advisory for PCBs in American eel, blue catfish, carp, channel catfish, croaker, gizzard shad, anadromous (coastal) striped bass.

Sources: Source Unknown

VAP-E26E_RPP07A02 **Rappahannock River** LANCASTER CO As delineated in VDH-DSS SFC 053A, 9/16/1993 RPPMH.

VA Overall AU Category: **5A**

Use	Impairment	0.10 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		10070	**2002**	**2018**	VAN-E20E-03

The Rappahannock River is under a 12/13/2004 VDH fish consumption advisory for PCBs in American eel, blue catfish, carp, channel catfish, croaker, gizzard shad, anadromous (coastal) striped bass.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River**

TMDL Group ID: **10126**

VAP-E22E_RPP05A02 **Rappahannock River** ESSEX CO RICHMOND CO

The oligohaline/mesohaline boundary at river mile 48.51 downstream to the upstream limit of VDH shellfish condemnation area 068A in E23.

2006: incorporates old segments VAP-E22E_RPP06A02 & VAP-E23E_RPP01A00 & extended

RPPMH

VA Overall AU Category: **5A**

Use	Impairment	6.95 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Estuarine Bioassessments**		10126	**2006**	**2018**	VAP-E22E-02 (10126)

In 2004 the mesohaline portion of the mainstem Rappahannock indicated benthic impairment based on the Chesapeake Bay Benthic Index of Biological Integrity. The impairment was attributed to low oxygen and the benthic impairment was treated as a confirmation of the impairment. The mainstem remains impaired for dissolved oxygen in the 2006 cycle, however the segment is now also 303(d) listed for estuarine bioassessments based on the EPA independent application guidelines . The source of the estuarine bioassessment impairment is considered unknown, but is believed to be caused by low dissolved oxygen in the bottom waters of the river."

Sources: Source Unknown

VAP-E23E_RPP02A98 **Rappahannock River** ESSEX CO RICHMOND CO

Mainstem Rappahannock as described in VDH shellfish condemnation 068A, 3/26/2004.

Segment extended in 2006

RPPMH

VA Overall AU Category: **5A**

Use	Impairment	5.48 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Estuarine Bioassessments**		10126	**2006**	**2018**	VAP-E22E-02 (10126)

In 2004 the mesohaline portion of the mainstem Rappahannock indicated benthic impairment based on the Chesapeake Bay Benthic Index of Biological Integrity. The impairment was attributed to low oxygen and the benthic impairment was treated as a confirmation of the impairment. The mainstem remains impaired for dissolved oxygen in the 2006 cycle, however the segment is now also 303(d) listed for estuarine bioassessments based on the EPA independent application guidelines . The source of the estuarine bioassessment impairment is considered unknown, but is believed to be caused by low dissolved oxygen in the bottom waters of the river."

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River**

TMDL Group ID: **10126**

VAP-E23E_RPP03A00 — **Rappahannock River** — ESSEX CO, RICHMOND CO

The Rappahannock River from the VDH shellfish condemnation 068A downstream to Sharps/0.7mi DS of Mark Haven Beach. Incorporates previous segment VAP-E24E_RPP01A98 and extended.

RPPMH

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Estuarine Bioassessments**	20.03	SQUARE MILES	10126	**2006**	**2018**	VAP-E22E-02 (10126)

In 2004 the mesohaline portion of the mainstem Rappahannock indicated benthic impairment based on the Chesapeake Bay Benthic Index of Biological Integrity. The impairment was attributed to low oxygen and the benthic impairment was treated as a confirmation of the impairment. The mainstem remains impaired for dissolved oxygen in the 2006 cycle, however the segment is now also 303(d) listed for estuarine bioassessments based on the EPA independent application guidelines . The source of the estuarine bioassessment impairment is considered unknown, but is believed to be caused by low dissolved oxygen in the bottom waters of the river.

Sources: Source Unknown

VAP-E24E_RPP01C06 — **Rappahannock River** — RICHMOND CO

The Rappahannock River within the VDH shellfish condemnation 025-071A, 12/22/2004

RPPMH

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Estuarine Bioassessments**	0.16	SQUARE MILES	10126	**2006**	**2018**	VAP-E22E-02 (10126)

In 2004 the mesohaline portion of the mainstem Rappahannock indicated benthic impairment based on the Chesapeake Bay Benthic Index of Biological Integrity. The impairment was attributed to low oxygen and the benthic impairment was treated as a confirmation of the impairment. The mainstem remains impaired for dissolved oxygen in the 2006 cycle, however the segment is now also 303(d) listed for estuarine bioassessments based on the EPA independent application guidelines . The source of the estuarine bioassessment impairment is considered unknown, but is believed to be caused by low dissolved oxygen in the bottom waters of the river.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River**

TMDL Group ID: **10126**

VAP-E24E_RPP02B06 | **Rappahannock River** | ESSEX CO RICHMOND CO | The Rappahannock River as described in VDH SFC 028-M271, 4/1/1995

RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Estuarine Bioassessments**		10126	**2006**	**2018**	VAP-E22E-02 (10126)

In 2004 the mesohaline portion of the mainstem Rappahannock indicated benthic impairment based on the Chesapeake Bay Benthic Index of Biological Integrity. The impairment was attributed to low oxygen and the benthic impairment was treated as a confirmation of the impairment. The mainstem remains impaired for dissolved oxygen in the 2006 cycle, however the segment is now also 303(d) listed for estuarine bioassessments based on the EPA independent application guidelines . The source of the estuarine bioassessment impairment is considered unknown, but is believed to be caused by low dissolved oxygen in the bottom waters of the river.

Sources: Source Unknown

VAP-E25E_RPP01A02 | **Rappahannock River** | ESSEX CO RICHMOND CO | The mainstem of the Rappahannock River from Sharps/0.7 mi DS of Mark Haven Beach to the WQS saltwater boundary at Buoy 11 near Morattico

Size adjusted in 2006

RPPMH

VA Overall AU Category: **5A**

Use	Impairment	12.20 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Estuarine Bioassessments**		10126	**2006**	**2018**	VAP-E22E-02 (10126)

In 2004 the mesohaline portion of the mainstem Rappahannock indicated benthic impairment based on the Chesapeake Bay Benthic Index of Biological Integrity. The impairment was attributed to low oxygen and the benthic impairment was treated as a confirmation of the impairment. The mainstem remains impaired for dissolved oxygen in the 2006 cycle, however the segment is now also 303(d) listed for estuarine bioassessments based on the EPA independent application guidelines . The source of the estuarine bioassessment impairment is considered unknown, but is believed to be caused by low dissolved oxygen in the bottom waters of the river.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River**

TMDL Group ID: **10126**

VAP-E25E_RPP02A02	Rappahannock River	LANCASTER CO MIDDLESEX CO	The mainstem of the Rappahannock River from Buoy 11 near Morattico downstream to the mouth, excluding area in SFC 051A. Multiple Rappahannock segments merged together in 2006 RPPMH

VA Overall AU Category: **5A**

Use	Impairment	66.80 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Estuarine Bioassessments**		10126	**2006**	**2018**	VAP-E22E-02 (10126) In 2004 the mesohaline portion of the mainstem Rappahannock indicated benthic impairment based on the Chesapeake Bay Benthic Index of Biological Integrity. The impairment was attributed to low oxygen and the benthic impairment was treated as a confirmation of the impairment. The mainstem remains impaired for dissolved oxygen in the 2006 cycle, however the segment is now also 303(d) listed for estuarine bioassessments based on the EPA independent application guidelines . The source of the estuarine bioassessment impairment is considered unknown, but is believed to be caused by low dissolved oxygen in the bottom waters of the river.

Sources: Source Unknown

VAP-E25E_RPP03A06	Rappahannock River	RICHMOND CO	Described in VDH SFC 024-M192, 4/1/1995 RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Estuarine Bioassessments**		10126	**2006**	**2018**	VAP-E22E-02 (10126) In 2004 the mesohaline portion of the mainstem Rappahannock indicated benthic impairment based on the Chesapeake Bay Benthic Index of Biological Integrity. The impairment was attributed to low oxygen and the benthic impairment was treated as a confirmation of the impairment. The mainstem remains impaired for dissolved oxygen in the 2006 cycle, however the segment is now also 303(d) listed for estuarine bioassessments based on the EPA independent application guidelines . The source of the estuarine bioassessment impairment is considered unknown, but is believed to be caused by low dissolved oxygen in the bottom waters of the river.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River**

TMDL Group ID: **10126**

VAP-E26E_RPP02A00 | **Rappahannock River** | MIDDLESEX CO

The Rappahannock River in the area delineated in VDH shellfish condemnation 051A.

Size corrected in 2006 cycle.

RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.13 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Estuarine Bioassessments**		10126	**2006**	**2018**	VAP-E22E-02 (10126)

In 2004 the mesohaline portion of the mainstem Rappahannock indicated benthic impairment based on the Chesapeake Bay Benthic Index of Biological Integrity. The impairment was attributed to low oxygen and the benthic impairment was treated as a confirmation of the impairment. The mainstem remains impaired for dissolved oxygen in the 2006 cycle, however the segment is now also 303(d) listed for estuarine bioassessments based on the EPA independent application guidelines . The source of the estuarine bioassessment impairment is considered unknown, but is believed to be caused by low dissolved oxygen in the bottom waters of the river.

Sources: Source Unknown

VAP-E26E_RPP03A00 | **Rappahannock River** | MIDDLESEX CO

The Rappahannock River in the area delineated in VDH shellfish condemnation 051D, 9/10/1997.

RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Estuarine Bioassessments**		10126	**2006**	**2018**	VAP-E22E-02 (10126)

In 2004 the mesohaline portion of the mainstem Rappahannock indicated benthic impairment based on the Chesapeake Bay Benthic Index of Biological Integrity. The impairment was attributed to low oxygen and the benthic impairment was treated as a confirmation of the impairment. The mainstem remains impaired for dissolved oxygen in the 2006 cycle, however the segment is now also 303(d) listed for estuarine bioassessments based on the EPA independent application guidelines . The source of the estuarine bioassessment impairment is considered unknown, but is believed to be caused by low dissolved oxygen in the bottom waters of the river.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River**

TMDL Group ID: **10126**

VAP-E26E_RPP04A00 **Rappahannock River** MIDDLESEX CO

VDH Shellfish Condemnation 051B, 9/10/1997

Sq. mileage adjusted in 2006, although area did not change

RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Estuarine Bioassessments**		10126	**2006**	**2018**	VAP-E22E-02 (10126)

In 2004 the mesohaline portion of the mainstem Rappahannock indicated benthic impairment based on the Chesapeake Bay Benthic Index of Biological Integrity. The impairment was attributed to low oxygen and the benthic impairment was treated as a confirmation of the impairment. The mainstem remains impaired for dissolved oxygen in the 2006 cycle, however the segment is now also 303(d) listed for estuarine bioassessments based on the EPA independent application guidelines . The source of the estuarine bioassessment impairment is considered unknown, but is believed to be caused by low dissolved oxygen in the bottom waters of the river.

Sources: Source Unknown

VAP-E26E_RPP05A00 **Rappahannock River** MIDDLESEX CO

The area delineated in VDH shellfish condemnation 051E, 9/10/1997

RPPMH.

VA Overall AU Category: **5A**

Use	Impairment	0.14 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Estuarine Bioassessments**		10126	**2006**	**2018**	VAP-E22E-02 (10126)

In 2004 the mesohaline portion of the mainstem Rappahannock indicated benthic impairment based on the Chesapeake Bay Benthic Index of Biological Integrity. The impairment was attributed to low oxygen and the benthic impairment was treated as a confirmation of the impairment. The mainstem remains impaired for dissolved oxygen in the 2006 cycle, however the segment is now also 303(d) listed for estuarine bioassessments based on the EPA independent application guidelines . The source of the estuarine bioassessment impairment is considered unknown, but is believed to be caused by low dissolved oxygen in the bottom waters of the river.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River**

TMDL Group ID: **10126**

VAP-E26E_RPP07A02	**Rappahannock River**	LANCASTER CO	As delineated in VDH-DSS SFC 053A, 9/16/1993 RPPMH.

VA Overall AU Category: **5A**

Use	Impairment	0.10 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Estuarine Bioassessments**		10126	**2006**	**2018**	VAP-E22E-02 (10126) In 2004 the mesohaline portion of the mainstem Rappahannock indicated benthic impairment based on the Chesapeake Bay Benthic Index of Biological Integrity. The impairment was attributed to low oxygen and the benthic impairment was treated as a confirmation of the impairment. The mainstem remains impaired for dissolved oxygen in the 2006 cycle, however the segment is now also 303(d) listed for estuarine bioassessments based on the EPA independent application guidelines . The source of the estuarine bioassessment impairment is considered unknown, but is believed to be caused by low dissolved oxygen in the bottom waters of the river.

Sources: Source Unknown

TMDL Watershed Name: **Rappahannock River and Totuskey Creek**

TMDL Group ID: **01053**

VAP-E24E_RPP01C06	**Rappahannock River**	RICHMOND CO	The Rappahannock River within the VDH shellfish condemnation 025-071A, 12/22/2004 RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.16 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01053	**2006**	**2010**	VAP-E24E-06/VAP-E24E-02 Previous condemnations included Totuskey and Richardson Creeks. In 2004, the segment was shortened and the creeks were separated. However, in 2006 the segments were both recombined under 025-071A, 12/22/2004 and extended into the Rappahannock (see VAP-E24E-06)

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River and Totuskey Creek**

TMDL Group ID: **01053**

VAP-E24E_TOT02A00	**Totuskey Creek**	RICHMOND CO	Downstream of VDH shellfish condemnation 025-071B, 12/22/2004 (within 025-071A, 12/22/2004). RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.75 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01053	**1998**	**2010**	VAP-E24E-01 Portion of VDH condemnation 025-071A, 12/22/2004 Previous condemnations included Totuskey and Richardson Creeks. In 2004, the segment was shortened and the creeks were separated. However, in 2006 the segments were both recombined under 025-071A, 12/22/2004 and extended into the Rappahannock (see VAP-E24E-06)

Sources: Municipal Point Source Discharges
Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **01776**

VAP-E22E_RPP05A02	**Rappahannock River**	ESSEX CO RICHMOND CO	The oligohaline/mesohaline boundary at river mile 48.51 downstream to the upstream limit of VDH shellfish condemnation area 068A in E23. 2006: incorporates old segments VAP-E22E_RPP06A02 & VAP-E23E_RPP01A00 & extended RPPMH

VA Overall AU Category: **5A**

Use	Impairment	6.95 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01776	**2004**	**2010**	VAP-E22E-01 The mainstem of the Rappahannock River from Myrtle Swamp to its mouth was originally listed in 1998 by DEQ due to dissolved oxygen violations and nutrient overenrichment. The EPA extended the segment upstream to the confluence with Totuskey Creek . In the 2004 cycle dissolved oxygen violations were noted in deepwater and deep channel stations downstream of the confluence with Lancaster Creek (Morattico), which is further downstream. The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria and the SAV acreage standards during the 2006 cycle. Also, applicable areas failed the deep water and deep channel applicable dissolved oxygen criteria in 2006. In addition, in 2004 the mesohaline portion of the mainstem Rappahannock indicated benthic impairment based on the Chesapeake Bay Benthic Index of Biological Integrity. The impairment was attributed to low oxygen. The mainstem remains impaired in the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01776	**2004**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **01776**

Sources: Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

VAP-E22E_ZZZ02A06 **Unsegmented estuaries in E22** ESSEX CO WESTMORELAND CO Unsegmented portion of watershed.

RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.04 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **01776**

VAP-E23E_CAT01A02	Cat Point Creek	RICHMOND CO	The tidal portion of Cat Point Creek. RPPMH

VA Overall AU Category: **5A**

Use	Impairment	1.43 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **01776**

VAP-E23E_HOK01A98	Hoskins Creek	ESSEX CO	Hoskins Creek from the Town of Tappahannock STP downstream to the mouth at the Rappahannock River. RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.06 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **01776**

VAP-E23E_LIE01A98	**Little Carter Creek, Jugs Creek**	RICHMOND CO	The segment boundaries are defined in VDH shellfish condemnation 068B, 3/6/2002. RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.32 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **01776**

VAP-E23E_PIS02A00	**Piscataway Creek**	ESSEX CO	The estuarine portion of Piscataway Creek.
			RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.71 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **01776**

VAP-E23E_RPP02A98	**Rappahannock River**	ESSEX CO RICHMOND CO	Mainstem Rappahannock as described in VDH shellfish condemnation 068A, 3/26/2004. Segment extended in 2006 RPPMH

VA Overall AU Category: **5A**

Use	Impairment	5.48 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01776	**2004**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle. The mesohaline portion of the mainstem Rappahannock indicated benthic impairment based on the Chesapeake Bay Benthic Index of Biological Integrity. The impairment was attributed to low oxygen.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01776	**2004**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle. The mesohaline portion of the mainstem Rappahannock indicated benthic impairment based on the Chesapeake Bay Benthic Index of Biological Integrity. The impairment was attributed to low oxygen.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **01776**

VAP-E23E_RPP03A00	**Rappahannock River**	ESSEX CO RICHMOND CO	The Rappahannock River from the VDH shellfish condemnation 068A downstream to Sharps/0.7mi DS of Mark Haven Beach. Incorporates previous segment VAP-E24E_RPP01A98 and extended. RPPMH

VA Overall AU Category: **5A**

Use	Impairment	20.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01776	**2004**	**2010**	VAP-E22E-01 The mainstem of the Rappahannock River from Myrtle Swamp to its mouth was originally listed in 1998 by DEQ due to dissolved oxygen violations and nutrient overenrichment. The EPA extended the segment upstream to the confluence with Totuskey Creek. In the 2004 cycle dissolved oxygen violations were noted in deepwater and deep channel stations downstream of the confluence with Lancaster Creek (Morattico), which is further downstream. The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria and the SAV acreage standards during the 2006 cycle. In addition, in 2004 the mesohaline portion of the mainstem Rappahannock indicated benthic impairment based on the Chesapeake Bay Benthic Index of Biological Integrity. The impairment was attributed to low oxygen. The mainstem remains impaired in the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01776	**2004**	**2010**	VAP-E22E-01 The mainstem of the Rappahannock River from Myrtle Swamp to its mouth was originally listed in 1998 by DEQ due to dissolved oxygen violations and nutrient overenrichment. The EPA extended the segment upstream to the confluence with Totuskey Creek. In the 2004 cycle dissolved oxygen violations were noted in deepwater and deep channel stations downstream of the confluence with Lancaster Creek (Morattico), which is further downstream. The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria and the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **01776**

Sources: Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

VAP-E23E_ZZZ01A00 | **Unsegmented estuaries in E23** | ESSEX CO, RICHMOND CO | Unsegmented portion

RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.00 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **01776**

VAP-E23E_ZZZ01A06	Unsegmented estuaries in E23	ESSEX CO RICHMOND CO	Unsegmented portion within 068B & 068C, 3/26/2004 RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.21 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **01776**

VAP-E23E_ZZZ02A06	Unsegmented estuaries in E23	ESSEX CO RICHMOND CO	Unsegmented portion within SFC 068A, 3/26/2004 RPPMH

VA Overall AU Category: **5A**

Use	Impairment (0.06 SQUARE MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	01776	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.
	Sources: Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)				
Open-Water Aquatic Life	**Oxygen, Dissolved**	01776	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.
	Sources: Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)				

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **01776**

VAP-E24E_RIC01A04	Richardson Creek	RICHMOND CO	Tidal limit to mouth (within SFC 025-071A, 12/22/2004)
			RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.15 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **01776**

VAP-E24E_RPP01B98	**Garrett's Marina**	ESSEX CO	The segment boundaries are delineated in VDH shellfish condemnation 181A, 11/6/1995. RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.00 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **01776**

VAP-E24E_RPP01C06	**Rappahannock River**	RICHMOND CO	The Rappahannock River within the VDH shellfish condemnation 025-071A, 12/22/2004 RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.16 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01776	**2004**	**2010**	VAP-E22E-01 The mainstem of the Rappahannock River from Myrtle Swamp to its mouth was originally listed in 1998 by DEQ due to dissolved oxygen violations and nutrient overenrichment. The EPA extended the segment upstream to the confluence with Totuskey Creek. In the 2004 cycle dissolved oxygen violations were noted in deepwater and deep channel stations downstream of the confluence with Lancaster Creek (Morattico), which is further downstream. The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria and the SAV acreage standards during the 2006 cycle. In addition, in 2004 the mesohaline portion of the mainstem Rappahannock indicated benthic impairment based on the Chesapeake Bay Benthic Index of Biological Integrity. The impairment was attributed to low oxygen. The mainstem remains impaired in the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01776	**2004**	**2010**	VAP-E22E-01 The mainstem of the Rappahannock River from Myrtle Swamp to its mouth was originally listed in 1998 by DEQ due to dissolved oxygen violations and nutrient overenrichment. The EPA extended the segment upstream to the confluence with Totuskey Creek. In the 2004 cycle dissolved oxygen violations were noted in deepwater and deep channel stations downstream of the confluence with Lancaster Creek (Morattico), which is further downstream. The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria and the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **01776**

Sources: Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **01776**

VAP-E24E_RPP02B06	**Rappahannock River**	ESSEX CO RICHMOND CO	The Rappahannock River as described in VDH SFC 028-M271, 4/1/1995 RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01776	**2004**	**2010**	VAP-E22E-01 The mainstem of the Rappahannock River from Myrtle Swamp to its mouth was originally listed in 1998 by DEQ due to dissolved oxygen violations and nutrient overenrichment. The EPA extended the segment upstream to the confluence with Totuskey Creek. In the 2004 cycle dissolved oxygen violations were noted in deepwater and deep channel stations downstream of the confluence with Lancaster Creek (Morattico), which is further downstream. The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria and the SAV acreage standards during the 2006 cycle. In addition, in 2004 the mesohaline portion of the mainstem Rappahannock indicated benthic impairment based on the Chesapeake Bay Benthic Index of Biological Integrity. The impairment was attributed to low oxygen. The mainstem remains impaired in the 2006 cycle.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01776	**2004**	**2010**	VAP-E22E-01 The mainstem of the Rappahannock River from Myrtle Swamp to its mouth was originally listed in 1998 by DEQ due to dissolved oxygen violations and nutrient overenrichment. The EPA extended the segment upstream to the confluence with Totuskey Creek. In the 2004 cycle dissolved oxygen violations were noted in deepwater and deep channel stations downstream of the confluence with Lancaster Creek (Morattico), which is further downstream. The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria and the SAV acreage standards during the 2006 cycle.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **01776**

Sources: Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

VAP-E24E_TOT01A00 **Totuskey Creek** RICHMOND CO

The segment boundary is delineated in VDH condemnation 071B, 12/22/2004.

Sq. mileage adjusted in 2006, although area did not change

RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.36 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **01776**

VAP-E24E_TOT02A00	**Totuskey Creek**	RICHMOND CO	Downstream of VDH shellfish condemnation 025-071B, 12/22/2004 (within 025-071A, 12/22/2004). RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.75 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **01776**

VAP-E25E_DEE01A04	**Deep Creek**	LANCASTER CO	Described in VDH shellfish condemnation 023-121B, 9/23/2004. In 2002, Deep Creek was split into 3 segments. In 2004, the condemnation was expanded and the segments were joined. Size adjusted in 2006. RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.22 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **01776**

VAP-E25E_FAM01A98	**Farnham Creek**	RICHMOND CO	The segment boundaries are delineated in VDH shellfish condemnation 070, 10/17/2000 Sq. mileage adjusted in 2006 although area did not change RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.41 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **01776**

VAP-E25E_GEE01A98	**Greenvale Creek**	LANCASTER CO	The segment boundaries are delineated in VDH shellfish condemnation 094A, 2/5/2003. RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.08 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **01776**

VAP-E25E_GEE02A06 **Greenvale Creek** LANCASTER CO Described in VDH SFC 094B, 2/5/2003

RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **01776**

VAP-E25E_HRY01A06 **Harry George Creek** MIDDLESEX CO Designated in VDH SFC 202B, 9/3/2003

RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.09 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **01776**

VAP-E25E_LAN01A98	**Lancaster Creek**	LANCASTER CO RICHMOND CO	The segment boundaries are delineated in VDH SFC 120B, 9/23/2004. Size reduced in 2006 cycle. RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.46 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **01776**

VAP-E25E_LAN02A02	**Lancaster Creek**	LANCASTER CO RICHMOND CO	The mouth of Lancaster Creek downstream of VDH SFC 120B, 9/23/2004, not otherwise segmented. Size increased in 2006 cycle. RPPMH

VA Overall AU Category: **5A**

Use	Impairment	1.16 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **01776**

VAP-E25E_LAN03A06	**Lancaster Creek**	RICHMOND CO	Described in VDH SFC 023-120M1, 9/23/2004 Size increased in 2006 cycle. RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **01776**

VAP-E25E_LGG01A98	**Lagrange Creek**	MIDDLESEX CO	As described in VDH SFC 127, 6/11/1996. RPPMH

VA Overall AU Category: **5D**

Use	Impairment	0.60 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **01776**

VAP-E25E_LGG02A06	Lagrange Creek	MIDDLESEX CO	As described in VDH SFC 127, 2/25/2004, not otherwise segmented.

RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.60 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **01776**

VAP-E25E_MAO01A00	**Masons Mill Swamp**	MIDDLESEX CO	Tidal Masons Mill Swamp watershed - expanded in 2006. RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.17 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **01776**

VAP-E25E_MTT01A00	**Morattico Creek**	RICHMOND CO	The segment is delineated in VDH SFC 023-120A, 9/23/2004 Expanded in 2006 and incorporates previous segment MTT02A00 RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.33 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **01776**

VAP-E25E_MUB01A02	**Mulberry Creek**	LANCASTER CO	The segment boundaries are delineated in VDH shellfish condemnation 023-021A, 9/23/2004 Size reduced in 2006 RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.27 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **01776**

VAP-E25E_MUB02A06	**Mulberry Creek**	LANCASTER CO	Downstream of VDH shellfish condemnation 023-021A, 9/23/2004 Size reduced in 2006 RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.22 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **01776**

VAP-E25E_MUC01A04	Mud Creek	MIDDLESEX CO	Described in VDH SFC 027-090A, 11/15/2004
			RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.19 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01776	**2004**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01776	**2004**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **01776**

VAP-E25E_PAY01A02	**Paynes Creek**	LANCASTER CO	As delineated in VDH-DSS SFC 114, 4/27/1989. RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.04 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **01776**

VAP-E25E_PRR01A02	**Parrotts Creek**	MIDDLESEX CO	The segment boundaries are delineated in VDH shellfish condemnation 027-090B, 11/15/2004. RPPMH

VA Overall AU Category: **5D**

Use	Impairment	0.16 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **01776**

VAP-E25E_ROS01A00	**Robinson Creek**	MIDDLESEX CO	Boundaries delineated in VDH shellfish condemnation 177, 5/28/1997. RPPMH

VA Overall AU Category: **5D**

Use	Impairment	0.18 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **01776**

VAP-E25E_ROS02A04	**Robinson Creek**	MIDDLESEX CO	Described in VDH Shellfish Condemnation 177, 2/25/2004, not otherwise segmented Extended in 2006 cycle RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.29 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **01776**

VAP-E25E_RPP01A02	**Rappahannock River**	ESSEX CO RICHMOND CO	The mainstem of the Rappahannock River from Sharps/0.7 mi DS of Mark Haven Beach to the WQS saltwater boundary at Buoy 11 near Morattico Size adjusted in 2006 RPPMH

VA Overall AU Category: **5A**

Use	Impairment	12.20 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01776	**1998**	**2010**	VAP-E22E-01 The mainstem of the Rappahannock River from Myrtle Swamp to its mouth was originally listed in 1998 by DEQ due to dissolved oxygen violations and nutrient overenrichment. The EPA extended the segment upstream to the confluence with Totuskey Creek. In the 2004 cycle dissolved oxygen violations were noted in deepwater and deep channel stations downstream of the confluence with Lancaster Creek (Morattico), which is further downstream. The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria and the SAV acreage standards during the 2006 cycle. Also, applicable areas failed the deep water and deep channel applicable dissolved oxygen criteria in 2006. In addition, in 2004 the mesohaline portion of the mainstem Rappahannock indicated benthic impairment based on the Chesapeake Bay Benthic Index of Biological Integrity. The impairment was attributed to low oxygen. The mainstem remains impaired in the 2006 cycle.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Deep-Water Aquatic Life	**Oxygen, Dissolved**		01776	**1998**	**2010**	VAP-E22E-01 The mainstem of the Rappahannock River from Myrtle Swamp to its mouth was originally listed in 1998 by DEQ due to dissolved oxygen violations and nutrient overenrichment. The EPA extended the segment upstream to the confluence with Totuskey Creek. In the 2004 cycle dissolved oxygen violations were noted in deepwater and deep channel stations downstream of the confluence with Lancaster Creek (Morattico), which is further downstream. The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria and the SAV acreage standards during the 2006 cycle. Also, applicable areas failed the deep water and deep channel applicable dissolved oxygen criteria in 2006.

Sources: Agriculture

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **01776**

Sources: Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**	01776	**1998**	**2010**	VAP-E22E-01

The mainstem of the Rappahannock River from Myrtle Swamp to its mouth was originally listed in 1998 by DEQ due to dissolved oxygen violations and nutrient overenrichment. The EPA extended the segment upstream to the confluence with Totuskey Creek. In the 2004 cycle dissolved oxygen violations were noted in deepwater and deep channel stations downstream of the confluence with Lancaster Creek (Morattico), which is further downstream.

The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria and the SAV acreage standards during the 2006 cycle. Also, applicable areas failed the deep water and deep channel applicable dissolved oxygen criteria in 2006.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **01776**

VAP-E25E_RPP01C98	**Rappahannock River - Mark Haven Beach**	ESSEX CO	The segment boundaries are delineated in VDH shellfish condemnation 026-181B, 11/6/1996. RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **01776**

VAP-E25E_RPP02A02	**Rappahannock River**	LANCASTER CO MIDDLESEX CO	The mainstem of the Rappahannock River from Buoy 11 near Morattico downstream to the mouth, excluding area in SFC 051A. Multiple Rappahannock segments merged together in 2006 RPPMH

VA Overall AU Category: **5A**

Use	Impairment	66.80 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01776	**1998**	**2010**	VAP-E22E-01 The mainstem of the Rappahannock River from Myrtle Swamp to its mouth was originally listed in 1998 by DEQ due to dissolved oxygen violations and nutrient overenrichment. The EPA extended the segment upstream to the confluence with Totuskey Creek. In the 2004 cycle dissolved oxygen violations were noted in deepwater and deep channel stations downstream of the confluence with Lancaster Creek (Morattico), which is further downstream. The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria and the SAV acreage standards during the 2006 cycle. Also, applicable areas failed the deep water applicable dissolved oxygen criteria in 2006. In addition, in 2004 the mesohaline portion of the mainstem Rappahannock indicated benthic impairment based on the Chesapeake Bay Benthic Index of Biological Integrity. The impairment was attributed to low oxygen. The mainstem remains impaired in the 2006 cycle.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Deep-Water Aquatic Life	**Oxygen, Dissolved**		01776	**1998**	**2010**	VAP-E22E-01 The mainstem of the Rappahannock River from Myrtle Swamp to its mouth was originally listed in 1998 by DEQ due to dissolved oxygen violations and nutrient overenrichment. The EPA extended the segment upstream to the confluence with Totuskey Creek. In the 2004 cycle dissolved oxygen violations were noted in deepwater and deep channel stations downstream of the confluence with Lancaster Creek (Morattico), which is further downstream. The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria and the SAV acreage standards during the 2006 cycle. Also, applicable areas failed the deep water and deep channel applicable dissolved oxygen criteria in 2006.

Sources: Agriculture

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **01776**

Sources: Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**	01776	**1998**	**2010**	VAP-E22E-01

The mainstem of the Rappahannock River from Myrtle Swamp to its mouth was originally listed in 1998 by DEQ due to dissolved oxygen violations and nutrient overenrichment. The EPA extended the segment upstream to the confluence with Totuskey Creek. In the 2004 cycle dissolved oxygen violations were noted in deepwater and deep channel stations downstream of the confluence with Lancaster Creek (Morattico), which is further downstream.

The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria and the SAV acreage standards during the 2006 cycle. Also, applicable areas failed the deep water and deep channel applicable dissolved oxygen criteria in 2006.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **01776**

VAP-E25E_RPP03A06 **Rappahannock River** RICHMOND CO Described in VDH SFC 024-M192, 4/1/1995

RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01776	**2004**	**2010**	VAP-E22E-01

The mainstem of the Rappahannock River from Myrtle Swamp to its mouth was originally listed in 1998 by DEQ due to dissolved oxygen violations and nutrient overenrichment. The EPA extended the segment upstream to the confluence with Totuskey Creek. In the 2004 cycle dissolved oxygen violations were noted in deepwater and deep channel stations downstream of the confluence with Lancaster Creek (Morattico), which is further downstream.

The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria and the SAV acreage standards during the 2006 cycle.

In addition, in 2004 the mesohaline portion of the mainstem Rappahannock indicated benthic impairment based on the Chesapeake Bay Benthic Index of Biological Integrity. The impairment was attributed to low oxygen. The mainstem remains impaired in the 2006 cycle.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01776	**2004**	**2010**	VAP-E22E-01

The mainstem of the Rappahannock River from Myrtle Swamp to its mouth was originally listed in 1998 by DEQ due to dissolved oxygen violations and nutrient overenrichment. The EPA extended the segment upstream to the confluence with Totuskey Creek. In the 2004 cycle dissolved oxygen violations were noted in deepwater and deep channel stations downstream of the confluence with Lancaster Creek (Morattico), which is further downstream.

The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria and the SAV acreage standards during the 2006 cycle.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **01776**

Sources: Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

VAP-E25E_URB01A00 **Urbanna Creek** MIDDLESEX CO

As described in VDH-DSS SFC 42B, 9/17/1993.

Sq. mileage adjusted in 2006

RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.22 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **01776**

VAP-E25E_URB02A00	**Urbanna Creek**	MIDDLESEX CO	As delineated in VDH shellfish condemnation 042A, 9/17/1993. Sq. mileage adjusted in 2006 RPPMH

VA Overall AU Category: **5D**

Use	Impairment	0.24 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **01776**

VAP-E25E_WEE01A00	**Weeks Creek**	MIDDLESEX CO	The segment boundaries are delineated in VDH shellfish condemnation 202, 10/8/1996. RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.12 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **01776**

VAP-E25E_WEE02A04	**Weeks Creek**	MIDDLESEX CO	The segment boundaries are delineated in VDH shellfish condemnation 202A, 9/3/2003, not otherwise delineated. RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.10 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **01776**

VAP-E25E_XDV01A02	**Beach Creek**	LANCASTER CO	The segment boundaries are delineated in VDH shellfish condemnation 116A, 12/27/2004. Expanded in 2006 RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.11 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle. Also, applicable areas failed the deep water and deep channel dissolved oxygen criteria in 2006.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Deep-Water Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the deep water dissolved oxygen criteria in 2006.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **01776**

Sources: Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

VAP-E25E_ZZZ01A00 **Unsegmented estuaries in E25** ESSEX CO RICHMOND CO Unsegmented portion of watershed

RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.24 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **01776**

VAP-E26E_BPC01A98	Rappahannock River: Bush Park Creek	MIDDLESEX CO	The segment boundaries are delineated in VDH shellfish condemnation 109, 4/27/1989. Size adjusted in 2006, although area did not change RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.10 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **01776**

VAP-E26E_BRD01A00	**Broad Creek**	MIDDLESEX CO	The boundaries are defined in VDH shellfish condemnation 038B, 12/30/2004. RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.08 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **01776**

VAP-E26E_BRD02A00	Broad Creek	MIDDLESEX CO	The boundaries are defined in VDH shellfish condemnation 038A, 12/30/2004. RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **01776**

VAP-E26E_BRD03A00	**Broad Creek**	MIDDLESEX CO	The boundaries are defined in VDH shellfish condemnation 033-038C, 12/30/2004. Sq. mileage adjusted in 2006, although area did not change RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **01776**

VAP-E26E_BRD04A00	Broad Creek	MIDDLESEX CO	Described in VDH-DSS condemnation 033-038M1, 12/3/2004 Size reduced in 2006 RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **01776**

VAP-E26E_CEB01A00	**Eastern Branch Carter Creek**	LANCASTER CO	The boundaries are delineated in VDH shellfish condemnation 041A, 12/17/2004. Segment was expanded in 2006 cycle and now incorporates CEB02A00 (Bridge Cove), which was previously open. RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.25 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **01776**

VAP-E26E_CTR01A00 **Carter Creek** LANCASTER CO

The segment boundaries are delineated in VDH shellfish condemnation 041D, 12/17/2004.

Size adjusted in 2006

RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.20 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **01776**

VAP-E26E_CTR02A00 **Carter Creek** LANCASTER CO

The segment boundaries are delineated in VDH shellfish condemnation 041B, 12/17/2004.

Size adjusted in 2006

RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.06 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **01776**

VAP-E26E_CTR03A00	Carter Creek, Eastern Branch Carter Creek	LANCASTER CO	As described in VDH-DSS SFC 020-041M1, 12/17/2006 Segment was shortened in 2006 cycle. RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.36 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **01776**

VAP-E26E_CTR04A02 **Carter Cove** LANCASTER CO As described in VDH-DSS SFC 020-041C, 12/17/2004

RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.06 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **01776**

VAP-E26E_LOL01A02	Locklies Creek	MIDDLESEX CO	The segment boundaries are delineated in VDH shellfish condemnation 102A, 2/6/2004. RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.10 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **01776**

VAP-E26E_LOL02A06	Locklies Creek	MIDDLESEX CO	Described in VDH-DSS SFC 031-102B, 2/6/2004
			RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.09 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **01776**

VAP-E26E_MEA01A00	**Meachim Creek**	MIDDLESEX CO	The segment boundaries are delineated in VDH shellfish condemnation 179A, 11/17/2004. Expanded in 2006 RPPMH

VA Overall AU Category: **5D**

Use	Impairment	0.08 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **01776**

VAP-E26E_MEA01A06	Meachim Creek	MIDDLESEX CO	Described in VDH SFC 030-179A, 12/9/1996, not otherwise segmented. RPPMH

VA Overall AU Category: **5D**

Use	Impairment (0.05 SQUARE MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	01776	**2006**	**2010**	VAP-E22E-01 The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.
	Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**	01776	**2006**	**2010**	VAP-E22E-01 The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.
	Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **01776**

VAP-E26E_MEA01B00	Meachim Creek	MIDDLESEX CO	The segment is delineated in VDH shellfish condemnation 179B, 11/17/2004. RPPMH

VA Overall AU Category: **5D**

Use	Impairment	0.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **01776**

VAP-E26E_MEA01C06	Meachim Creek	MIDDLESEX CO	Described in VDH SFC 030-179M1, 11/17/2004. RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **01776**

VAP-E26E_MEA02A00	**Meachim Creek**	MIDDLESEX CO	Downstream of VDH SFC 030-179A, 11/17/2004, not otherwise segmented. RPPMH

VA Overall AU Category: **5A**

Use	Impairment (0.14 SQUARE MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	01776	**2006**	**2010**	VAP-E22E-01 The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.
	Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**	01776	**2006**	**2010**	VAP-E22E-01 The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.
	Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **01776**

VAP-E26E_MLL01A98	**Mill Creek**	MIDDLESEX CO	The segment boundaries are delineated in VDH shellfish condemnation 103, 12/10/1991 RPPMH.

VA Overall AU Category: **5A**

Use	Impairment	0.12 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **01776**

VAP-E26E_MLL02A06	**Mill Creek**	MIDDLESEX CO	Downstream of VDH shellfish condemnation 103, 12/10/1991 RPPMH.

VA Overall AU Category: **5A**

Use	Impairment	0.36 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **01776**

VAP-E26E_MOS01A00 **Mosquito Creek** LANCASTER CO

The boundaries are delineated in VDH shellfish condemnation 203, 11/6/2003.

Expanded in 2006 cycle

RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **01776**

VAP-E26E_RPP02A00	**Rappahannock River**	MIDDLESEX CO	The Rappahannock River in the area delineated in VDH shellfish condemnation 051A. Size corrected in 2006 cycle. RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.13 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01776	**1998**	**2010**	VAP-E22E-01

The mainstem of the Rappahannock River from Myrtle Swamp to its mouth was originally listed in 1998 by DEQ due to dissolved oxygen violations and nutrient overenrichment. The EPA extended the segment upstream to the confluence with Totuskey Creek. In the 2004 cycle dissolved oxygen violations were noted in deepwater and deep channel stations downstream of the confluence with Lancaster Creek (Morattico), which is further downstream.

The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria and the SAV acreage standards during the 2006 cycle.

In addition, in 2004 the mesohaline portion of the mainstem Rappahannock indicated benthic impairment based on the Chesapeake Bay Benthic Index of Biological Integrity. The impairment was attributed to low oxygen. The mainstem remains impaired in the 2006 cycle.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **01776**

Open-Water Aquatic Life	**Oxygen, Dissolved**	01776	**1998**	**2010**	VAP-E22E-01

The mainstem of the Rappahannock River from Myrtle Swamp to its mouth was originally listed in 1998 by DEQ due to dissolved oxygen violations and nutrient overenrichment. The EPA extended the segment upstream to the confluence with Totuskey Creek. In the 2004 cycle dissolved oxygen violations were noted in deepwater and deep channel stations downstream of the confluence with Lancaster Creek (Morattico), which is further downstream.

The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria and the SAV acreage standards during the 2006 cycle.

In addition, in 2004 the mesohaline portion of the mainstem Rappahannock indicated benthic impairment based on the Chesapeake Bay Benthic Index of Biological Integrity. The impairment was attributed to low oxygen. The mainstem remains impaired in the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **01776**

VAP-E26E_RPP03A00	**Rappahannock River**	MIDDLESEX CO	The Rappahannock River in the area delineated in VDH shellfish condemnation 051D, 9/10/1997. RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01776	**1998**	**2010**	VAP-E22E-01

The mainstem of the Rappahannock River from Myrtle Swamp to its mouth was originally listed in 1998 by DEQ due to dissolved oxygen violations and nutrient overenrichment. The EPA extended the segment upstream to the confluence with Totuskey Creek. In the 2004 cycle dissolved oxygen violations were noted in deepwater and deep channel stations downstream of the confluence with Lancaster Creek (Morattico), which is further downstream.

The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria and the SAV acreage standards during the 2006 cycle.

In addition, in 2004 the mesohaline portion of the mainstem Rappahannock indicated benthic impairment based on the Chesapeake Bay Benthic Index of Biological Integrity. The impairment was attributed to low oxygen. The mainstem remains impaired in the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **01776**

Open-Water Aquatic Life	**Oxygen, Dissolved**	01776	**1998**	**2010**	VAP-E22E-01

The mainstem of the Rappahannock River from Myrtle Swamp to its mouth was originally listed in 1998 by DEQ due to dissolved oxygen violations and nutrient overenrichment. The EPA extended the segment upstream to the confluence with Totuskey Creek. In the 2004 cycle dissolved oxygen violations were noted in deepwater and deep channel stations downstream of the confluence with Lancaster Creek (Morattico), which is further downstream.

The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria and the SAV acreage standards during the 2006 cycle.

In addition, in 2004 the mesohaline portion of the mainstem Rappahannock indicated benthic impairment based on the Chesapeake Bay Benthic Index of Biological Integrity. The impairment was attributed to low oxygen. The mainstem remains impaired in the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **01776**

VAP-E26E_RPP04A00	**Rappahannock River**	MIDDLESEX CO	VDH Shellfish Condemnation 051B, 9/10/1997
			Sq. mileage adjusted in 2006, although area did not change
			RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01776	**1998**	**2010**	VAP-E22E-01

The mainstem of the Rappahannock River from Myrtle Swamp to its mouth was originally listed in 1998 by DEQ due to dissolved oxygen violations and nutrient overenrichment. The EPA extended the segment upstream to the confluence with Totuskey Creek. In the 2004 cycle dissolved oxygen violations were noted in deepwater and deep channel stations downstream of the confluence with Lancaster Creek (Morattico), which is further downstream.

The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria and the SAV acreage standards during the 2006 cycle.

In addition, in 2004 the mesohaline portion of the mainstem Rappahannock indicated benthic impairment based on the Chesapeake Bay Benthic Index of Biological Integrity. The impairment was attributed to low oxygen. The mainstem remains impaired in the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **01776**

Open-Water Aquatic Life	**Oxygen, Dissolved**	01776	**1998**	**2010**	VAP-E22E-01

The mainstem of the Rappahannock River from Myrtle Swamp to its mouth was originally listed in 1998 by DEQ due to dissolved oxygen violations and nutrient overenrichment. The EPA extended the segment upstream to the confluence with Totuskey Creek. In the 2004 cycle dissolved oxygen violations were noted in deepwater and deep channel stations downstream of the confluence with Lancaster Creek (Morattico), which is further downstream.

The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria and the SAV acreage standards during the 2006 cycle.

In addition, in 2004 the mesohaline portion of the mainstem Rappahannock indicated benthic impairment based on the Chesapeake Bay Benthic Index of Biological Integrity. The impairment was attributed to low oxygen. The mainstem remains impaired in the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **01776**

VAP-E26E_RPP05A00	Rappahannock River	MIDDLESEX CO	The area delineated in VDH shellfish condemnation 051E, 9/10/1997 RPPMH.

VA Overall AU Category: **5A**

Use	Impairment (0.14 SQUARE MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	01776	**1998**	**2010**	VAP-E22E-01 The mainstem of the Rappahannock River from Myrtle Swamp to its mouth was originally listed in 1998 by DEQ due to dissolved oxygen violations and nutrient overenrichment. The EPA extended the segment upstream to the confluence with Totuskey Creek. In the 2004 cycle dissolved oxygen violations were noted in deepwater and deep channel stations downstream of the confluence with Lancaster Creek (Morattico), which is further downstream. The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria and the SAV acreage standards during the 2006 cycle. In addition, in 2004 the mesohaline portion of the mainstem Rappahannock indicated benthic impairment based on the Chesapeake Bay Benthic Index of Biological Integrity. The impairment was attributed to low oxygen. The mainstem remains impaired in the 2006 cycle.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**	01776	**1998**	**2010**	VAP-E22E-01 The mainstem of the Rappahannock River from Myrtle Swamp to its mouth was originally listed in 1998 by DEQ due to dissolved oxygen violations and nutrient overenrichment. The EPA extended the segment upstream to the confluence with Totuskey Creek. In the 2004 cycle dissolved oxygen violations were noted in deepwater and deep channel stations downstream of the confluence with Lancaster Creek (Morattico), which is further downstream. The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria and the SAV acreage standards during the 2006 cycle. In addition, in 2004 the mesohaline portion of the mainstem Rappahannock indicated benthic impairment based on the Chesapeake Bay Benthic Index of Biological Integrity. The impairment was attributed to low oxygen. The mainstem remains impaired in the 2006 cycle.

Sources: Agriculture

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **01776**

Sources: Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **01776**

VAP-E26E_RPP07A02	**Rappahannock River**	LANCASTER CO	As delineated in VDH-DSS SFC 053A, 9/16/1993 RPPMH.

VA Overall AU Category: **5A**

Use	Impairment	0.10 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01776	**1998**	**2010**	VAP-E22E-01

The mainstem of the Rappahannock River from Myrtle Swamp to its mouth was originally listed in 1998 by DEQ due to dissolved oxygen violations and nutrient overenrichment. The EPA extended the segment upstream to the confluence with Totuskey Creek. In the 2004 cycle dissolved oxygen violations were noted in deepwater and deep channel stations downstream of the confluence with Lancaster Creek (Morattico), which is further downstream.

The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle. Also, applicable areas failed the deep water and deep channel applicable dissolved oxygen criteria in 2006.

In addition, in 2004 the mesohaline portion of the mainstem Rappahannock indicated benthic impairment based on the Chesapeake Bay Benthic Index of Biological Integrity. The impairment was attributed to low oxygen. The mainstem remains impaired in the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **01776**

Deep-Water Aquatic Life	**Oxygen, Dissolved**	01776	**1998**	**2010**	VAP-E22E-01

The mainstem of the Rappahannock River from Myrtle Swamp to its mouth was originally listed in 1998 by DEQ due to dissolved oxygen violations and nutrient overenrichment. The EPA extended the segment upstream to the confluence with Totuskey Creek. In the 2004 cycle dissolved oxygen violations were noted in deepwater and deep channel stations downstream of the confluence with Lancaster Creek (Morattico), which is further downstream.

The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle. Also, applicable areas failed the deep water and deep channel applicable dissolved oxygen criteria.

In addition, in 2004 the mesohaline portion of the mainstem Rappahannock indicated benthic impairment based on the Chesapeake Bay Benthic Index of Biological Integrity. The impairment was attributed to low oxygen. The mainstem remains impaired in the 2006 cycle.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**	01776	**1998**	**2010**	VAP-E22E-01

The mainstem of the Rappahannock River from Myrtle Swamp to its mouth was originally listed in 1998 by DEQ due to dissolved oxygen violations and nutrient overenrichment. The EPA extended the segment upstream to the confluence with Totuskey Creek. In the 2004 cycle dissolved oxygen violations were noted in deepwater and deep channel stations downstream of the confluence with Lancaster Creek (Morattico), which is further downstream.

The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria and the SAV acreage standards during the 2006 cycle. Also, applicable areas failed the deep water and deep channel applicable dissolved oxygen criteria in 2006.

In addition, in 2004 the mesohaline portion of the mainstem Rappahannock indicated benthic impairment based on the Chesapeake Bay Benthic Index of Biological Integrity. The impairment was attributed to low oxygen. The mainstem remains impaired in the 2006 cycle.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **01776**

Sources: Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

VAP-E26E_STE01A98 **Sturgeon Creek** MIDDLESEX CO

The segment boundaries are delineated in VDH shellfish condemnation 104.

Sq. mileage adjusted in 2006, although area did not change

RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.09 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **01776**

VAP-E26E_WHS01B00	**Whiting Creek**	MIDDLESEX CO	The segment boundaries are delineated in VDH shellfish condemnation 051C, 9/10/1997 AU name fixed and sq. mileage adjusted in 2006, although area did not change RPPMH

VA Overall AU Category: **5D**

Use	Impairment	0.20 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **01776**

VAP-E26E_XEV01A02	**Windmill Point Yacht Harbor**	LANCASTER CO	As delineated in VDH-DSS SFC 018-053B, 9/16/1993 AU name corrected in 2006 (prev. RPP07B02) RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **01776**

VAP-E26E_ZZZ01A00	Unsegmented estuaries in E26	LANCASTER CO MIDDLESEX CO	Unsegmented portion of watershed RPPMH

VA Overall AU Category: **5A**

Use	Impairment	1.10 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01776	**2006**	**2010**	VAP-E22E-01 The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **10071**

VAP-E22E_RPP05A02	**Rappahannock River**	ESSEX CO RICHMOND CO	The oligohaline/mesohaline boundary at river mile 48.51 downstream to the upstream limit of VDH shellfish condemnation area 068A in E23. 2006: incorporates old segments VAP-E22E_RPP06A02 & VAP-E23E_RPP01A00 & extended RPPMH

VA Overall AU Category: **5A**

Use	Impairment	6.95 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **10071**

VAP-E22E_ZZZ02A06	Unsegmented estuaries in E22	ESSEX CO WESTMORELAND CO	Unsegmented portion of watershed. RPPMH

VA Overall AU Category: **5A**

Use	Impairment (0.04 SQUARE MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**	10071	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the SAV acreage standards during the 2006 cycle.
	Sources: Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)				
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**	10071	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the SAV acreage standards during the 2006 cycle.
	Sources: Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)				

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **10071**

VAP-E23E_CAT01A02	**Cat Point Creek**	RICHMOND CO	The tidal portion of Cat Point Creek. RPPMH

VA Overall AU Category: **5A**

Use	Impairment	1.43 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **10071**

VAP-E23E_HOK01A98	Hoskins Creek	ESSEX CO	Hoskins Creek from the Town of Tappahannock STP downstream to the mouth at the Rappahannock River. RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.06 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **10071**

VAP-E23E_LIE01A98	**Little Carter Creek, Jugs Creek**	RICHMOND CO	The segment boundaries are defined in VDH shellfish condemnation 068B, 3/6/2002. RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.32 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **10071**

VAP-E23E_PIS02A00	**Piscataway Creek**	ESSEX CO	The estuarine portion of Piscataway Creek.
			RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.71 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **10071**

VAP-E23E_RPP02A98	**Rappahannock River**	ESSEX CO RICHMOND CO	Mainstem Rappahannock as described in VDH shellfish condemnation 068A, 3/26/2004. Segment extended in 2006 RPPMH

VA Overall AU Category: **5A**

Use	Impairment	5.48 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria and the SAV acreage standards during the 2006 cycle. The mesohaline portion of the mainstem Rappahannock indicated benthic impairment based on the Chesapeake Bay Benthic Index of Biological Integrity. The impairment was attributed to low oxygen.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **10071**

VAP-E23E_RPP03A00	**Rappahannock River**	ESSEX CO RICHMOND CO	The Rappahannock River from the VDH shellfish condemnation 068A downstream to Sharps/0.7mi DS of Mark Haven Beach. Incorporates previous segment VAP-E24E_RPP01A98 and extended. RPPMH

VA Overall AU Category: **5A**

Use	Impairment	20.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **10071**

VAP-E23E_ZZZ01A00	**Unsegmented estuaries in E23**	ESSEX CO RICHMOND CO	Unsegmented portion RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.00 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **10071**

VAP-E23E_ZZZ01A06	Unsegmented estuaries in E23	ESSEX CO RICHMOND CO	Unsegmented portion within 068B & 068C, 3/26/2004 RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.21 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **10071**

VAP-E23E_ZZZ02A06	Unsegmented estuaries in E23	ESSEX CO RICHMOND CO	Unsegmented portion within SFC 068A, 3/26/2004 RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.06 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **10071**

VAP-E24E_RIC01A04	**Richardson Creek**	RICHMOND CO	Tidal limit to mouth (within SFC 025-071A, 12/22/2004)
			RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.15 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **10071**

VAP-E24E_RPP01B98	**Garrett's Marina**	ESSEX CO	The segment boundaries are delineated in VDH shellfish condemnation 181A, 11/6/1995. RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.00 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **10071**

VAP-E24E_RPP01C06	**Rappahannock River**	RICHMOND CO	The Rappahannock River within the VDH shellfish condemnation 025-071A, 12/22/2004 RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.16 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **10071**

VAP-E24E_RPP02B06	**Rappahannock River**	ESSEX CO RICHMOND CO	The Rappahannock River as described in VDH SFC 028-M271, 4/1/1995 RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **10071**

VAP-E24E_TOT01A00	**Totuskey Creek**	RICHMOND CO	The segment boundary is delineated in VDH condemnation 071B, 12/22/2004. Sq. mileage adjusted in 2006, although area did not change RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.36 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **10071**

VAP-E24E_TOT02A00	**Totuskey Creek**	RICHMOND CO	Downstream of VDH shellfish condemnation 025-071B, 12/22/2004 (within 025-071A, 12/22/2004). RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.75 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **10071**

VAP-E25E_DEE01A04 **Deep Creek** LANCASTER CO

Described in VDH shellfish condemnation 023-121B, 9/23/2004.

In 2002, Deep Creek was split into 3 segments. In 2004, the condemnation was expanded and the segments were joined. Size adjusted in 2006.

RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.22 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **10071**

VAP-E25E_FAM01A98	**Farnham Creek**	RICHMOND CO	The segment boundaries are delineated in VDH shellfish condemnation 070, 10/17/2000 Sq. mileage adjusted in 2006 although area did not change RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.41 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **10071**

VAP-E25E_GEE01A98	**Greenvale Creek**	LANCASTER CO	The segment boundaries are delineated in VDH shellfish condemnation 094A, 2/5/2003. RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.08 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **10071**

VAP-E25E_GEE02A06 **Greenvale Creek** LANCASTER CO Described in VDH SFC 094B, 2/5/2003

RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **10071**

VAP-E25E_HRY01A06	**Harry George Creek**	MIDDLESEX CO	Designated in VDH SFC 202B, 9/3/2003
			RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.09 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **10071**

VAP-E25E_LAN01A98	**Lancaster Creek**	LANCASTER CO RICHMOND CO	The segment boundaries are delineated in VDH SFC 120B, 9/23/2004. Size reduced in 2006 cycle. RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.46 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **10071**

VAP-E25E_LAN02A02	**Lancaster Creek**	LANCASTER CO RICHMOND CO	The mouth of Lancaster Creek downstream of VDH SFC 120B, 9/23/2004, not otherwise segmented. Size increased in 2006 cycle. RPPMH

VA Overall AU Category: **5A**

Use	Impairment	1.16 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **10071**

VAP-E25E_LAN03A06 **Lancaster Creek** RICHMOND CO

Described in VDH SFC 023-120M1, 9/23/2004

Size increased in 2006 cycle.

RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **10071**

VAP-E25E_LGG01A98	**Lagrange Creek**	MIDDLESEX CO	As described in VDH SFC 127, 6/11/1996. RPPMH

VA Overall AU Category: **5D**

Use	Impairment	0.60 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **10071**

VAP-E25E_LGG02A06	**Lagrange Creek**	MIDDLESEX CO	As described in VDH SFC 127, 2/25/2004, not otherwise segmented. RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.60 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **10071**

VAP-E25E_MAO01A00	Masons Mill Swamp	MIDDLESEX CO	Tidal Masons Mill Swamp watershed - expanded in 2006. RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.17 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **10071**

VAP-E25E_MTT01A00	**Morattico Creek**	RICHMOND CO	The segment is delineated in VDH SFC 023-120A, 9/23/2004 Expanded in 2006 and incorporates previous segment MTT02A00 RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.33 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **10071**

VAP-E25E_MUB01A02	**Mulberry Creek**	LANCASTER CO	The segment boundaries are delineated in VDH shellfish condemnation 023-021A, 9/23/2004 Size reduced in 2006 RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.27 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **10071**

VAP-E25E_MUB02A06	**Mulberry Creek**	LANCASTER CO	Downstream of VDH shellfish condemnation 023-021A, 9/23/2004 Size reduced in 2006 RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.22 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **10071**

VAP-E25E_MUC01A04 **Mud Creek** MIDDLESEX CO Described in VDH SFC 027-090A, 11/15/2004

RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.19 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **10071**

VAP-E25E_PAY01A02	Paynes Creek	LANCASTER CO	As delineated in VDH-DSS SFC 114, 4/27/1989. RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.04 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **10071**

VAP-E25E_PRR01A02	**Parrotts Creek**	MIDDLESEX CO	The segment boundaries are delineated in VDH shellfish condemnation 027-090B, 11/15/2004. RPPMH

VA Overall AU Category: **5D**

Use	Impairment	0.16 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **10071**

VAP-E25E_ROS01A00	**Robinson Creek**	MIDDLESEX CO	Boundaries delineated in VDH shellfish condemnation 177, 5/28/1997. RPPMH

VA Overall AU Category: **5D**

Use	Impairment	0.18 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **10071**

VAP-E25E_ROS02A04	**Robinson Creek**	MIDDLESEX CO	Described in VDH Shellfish Condemnation 177, 2/25/2004, not otherwise segmented Extended in 2006 cycle RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.29 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **10071**

VAP-E25E_RPP01A02	**Rappahannock River**	ESSEX CO RICHMOND CO	The mainstem of the Rappahannock River from Sharps/0.7 mi DS of Mark Haven Beach to the WQS saltwater boundary at Buoy 11 near Morattico Size adjusted in 2006 RPPMH

VA Overall AU Category: **5A**

Use	Impairment	12.20 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **10071**

VAP-E25E_RPP01C98	**Rappahannock River - Mark Haven Beach**	ESSEX CO	The segment boundaries are delineated in VDH shellfish condemnation 026-181B, 11/6/1996. RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **10071**

VAP-E25E_RPP02A02	**Rappahannock River**	LANCASTER CO MIDDLESEX CO	The mainstem of the Rappahannock River from Buoy 11 near Morattico downstream to the mouth, excluding area in SFC 051A. Multiple Rappahannock segments merged together in 2006 RPPMH

VA Overall AU Category: **5A**

Use	Impairment	66.80 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **10071**

VAP-E25E_RPP03A06	**Rappahannock River**	RICHMOND CO	Described in VDH SFC 024-M192, 4/1/1995 RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **10071**

VAP-E25E_URB01A00	**Urbanna Creek**	MIDDLESEX CO	As described in VDH-DSS SFC 42B, 9/17/1993. Sq. mileage adjusted in 2006 RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.22 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **10071**

VAP-E25E_URB02A00	**Urbanna Creek**	MIDDLESEX CO	As delineated in VDH shellfish condemnation 042A, 9/17/1993. Sq. mileage adjusted in 2006 RPPMH

VA Overall AU Category: **5D**

Use	Impairment	0.24 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **10071**

VAP-E25E_WEE01A00	**Weeks Creek**	MIDDLESEX CO	The segment boundaries are delineated in VDH shellfish condemnation 202, 10/8/1996. RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.12 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **10071**

VAP-E25E_WEE02A04 **Weeks Creek** MIDDLESEX CO

The segment boundaries are delineated in VDH shellfish condemnation 202A, 9/3/2003, not otherwise delineated.

RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.10 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **10071**

VAP-E25E_XDV01A02	**Beach Creek**	LANCASTER CO	The segment boundaries are delineated in VDH shellfish condemnation 116A, 12/27/2004. Expanded in 2006 RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.11 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **10071**

VAP-E25E_ZZZ01A00	**Unsegmented estuaries in E25**	ESSEX CO RICHMOND CO	Unsegmented portion of watershed RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.24 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **10071**

VAP-E26E_BPC01A98	**Rappahannock River: Bush Park Creek**	MIDDLESEX CO	The segment boundaries are delineated in VDH shellfish condemnation 109, 4/27/1989. Size adjusted in 2006, although area did not change RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.10 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the SAV acreage standards.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **10071**

VAP-E26E_BRD01A00	**Broad Creek**	MIDDLESEX CO	The boundaries are defined in VDH shellfish condemnation 038B, 12/30/2004. RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.08 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the SAV acreage standards.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the SAV acreage standards.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **10071**

VAP-E26E_BRD02A00	**Broad Creek**	MIDDLESEX CO	The boundaries are defined in VDH shellfish condemnation 038A, 12/30/2004. RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the SAV acreage standards.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the SAV acreage standards.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **10071**

VAP-E26E_BRD03A00	**Broad Creek**	MIDDLESEX CO	The boundaries are defined in VDH shellfish condemnation 033-038C, 12/30/2004. Sq. mileage adjusted in 2006, although area did not change RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the SAV acreage standards.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the SAV acreage standards.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **10071**

VAP-E26E_BRD04A00	**Broad Creek**	MIDDLESEX CO	Described in VDH-DSS condemnation 033-038M1, 12/3/2004 Size reduced in 2006 RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the SAV acreage standards.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the SAV acreage standards.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **10071**

VAP-E26E_CEB01A00	**Eastern Branch Carter Creek**	LANCASTER CO	The boundaries are delineated in VDH shellfish condemnation 041A, 12/17/2004. Segment was expanded in 2006 cycle and now incorporates CEB02A00 (Bridge Cove), which was previously open. RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.25 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the SAV acreage standards.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the SAV acreage standards.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **10071**

VAP-E26E_CTR01A00	**Carter Creek**	LANCASTER CO	The segment boundaries are delineated in VDH shellfish condemnation 041D, 12/17/2004. Size adjusted in 2006 RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.20 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the SAV acreage standards.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the SAV acreage standards.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **10071**

VAP-E26E_CTR02A00 **Carter Creek** LANCASTER CO

The segment boundaries are delineated in VDH shellfish condemnation 041B, 12/17/2004.

Size adjusted in 2006

RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.06 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the SAV acreage standards.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the SAV acreage standards.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **10071**

VAP-E26E_CTR03A00	**Carter Creek, Eastern Branch Carter Creek**	LANCASTER CO	As described in VDH-DSS SFC 020-041M1, 12/17/2006 Segment was shortened in 2006 cycle. RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.36 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the SAV acreage standards.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the SAV acreage standards.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **10071**

VAP-E26E_CTR04A02 **Carter Cove** LANCASTER CO As described in VDH-DSS SFC 020-041C, 12/17/2004

RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.06 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the SAV acreage standards.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the SAV acreage standards.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **10071**

VAP-E26E_LOL01A02	**Locklies Creek**	MIDDLESEX CO	The segment boundaries are delineated in VDH shellfish condemnation 102A, 2/6/2004. RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.10 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the SAV acreage standards.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the SAV acreage standards.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **10071**

VAP-E26E_LOL02A06 **Locklies Creek** MIDDLESEX CO Described in VDH-DSS SFC 031-102B, 2/6/2004

RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.09 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the SAV acreage standards.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the SAV acreage standards.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **10071**

VAP-E26E_MEA01A00	**Meachim Creek**	MIDDLESEX CO	The segment boundaries are delineated in VDH shellfish condemnation 179A, 11/17/2004. Expanded in 2006 RPPMH

VA Overall AU Category: **5D**

Use	Impairment	0.08 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the Submerged Aquatic Vegetation acreage criteria during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the SAV acreage standards.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **10071**

VAP-E26E_MEA01A06	**Meachim Creek**	MIDDLESEX CO	Described in VDH SFC 030-179A, 12/9/1996, not otherwise segmented. RPPMH

VA Overall AU Category: **5D**

Use	Impairment	0.05 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the SAV acreage standards.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the SAV acreage standards.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **10071**

VAP-E26E_MEA01B00	**Meachim Creek**	MIDDLESEX CO	The segment is delineated in VDH shellfish condemnation 179B, 11/17/2004. RPPMH

VA Overall AU Category: **5D**

Use	Impairment	0.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the SAV acreage standards.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the SAV acreage standards.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **10071**

VAP-E26E_MEA01C06	Meachim Creek	MIDDLESEX CO	Described in VDH SFC 030-179M1, 11/17/2004. RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the SAV acreage standards.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the SAV acreage standards.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **10071**

VAP-E26E_MEA02A00	Meachim Creek	MIDDLESEX CO	Downstream of VDH SFC 030-179A, 11/17/2004, not otherwise segmented. RPPMH

VA Overall AU Category: **5A**

Use	Impairment (0.14 SQUARE MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**	10071	**2006**	**2010**	VAP-E22E-01 The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the SAV acreage standards.
	Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**	10071	**2006**	**2010**	VAP-E22E-01 The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the SAV acreage standards.
	Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **10071**

VAP-E26E_MLL01A98	**Mill Creek**	MIDDLESEX CO	The segment boundaries are delineated in VDH shellfish condemnation 103, 12/10/1991 RPPMH.

VA Overall AU Category: **5A**

Use	Impairment	0.12 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the SAV acreage standards.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the SAV acreage standards.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **10071**

VAP-E26E_MLL02A06	**Mill Creek**	MIDDLESEX CO	Downstream of VDH shellfish condemnation 103, 12/10/1991 RPPMH.

VA Overall AU Category: **5A**

Use	Impairment	0.36 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the SAV acreage standards.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the SAV acreage standards.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **10071**

VAP-E26E_MOS01A00 **Mosquito Creek** LANCASTER CO

The boundaries are delineated in VDH shellfish condemnation 203, 11/6/2003.

Expanded in 2006 cycle

RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the SAV acreage standards.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the SAV acreage standards.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **10071**

VAP-E26E_RPP02A00	**Rappahannock River**	MIDDLESEX CO	The Rappahannock River in the area delineated in VDH shellfish condemnation 051A. Size corrected in 2006 cycle. RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.13 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the SAV acreage standards.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the SAV acreage standards.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **10071**

VAP-E26E_RPP03A00	**Rappahannock River**	MIDDLESEX CO	The Rappahannock River in the area delineated in VDH shellfish condemnation 051D, 9/10/1997. RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the SAV acreage standards.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the SAV acreage standards.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **10071**

VAP-E26E_RPP04A00	**Rappahannock River**	MIDDLESEX CO	VDH Shellfish Condemnation 051B, 9/10/1997 Sq. mileage adjusted in 2006, although area did not change RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **10071**

VAP-E26E_RPP05A00	Rappahannock River	MIDDLESEX CO	The area delineated in VDH shellfish condemnation 051E, 9/10/1997 RPPMH.

VA Overall AU Category: **5A**

Use	Impairment (0.14 SQUARE MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**	10071	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the SAV acreage standards during the 2006 cycle.
					Sources: Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**	10071	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the SAV acreage standards during the 2006 cycle.
					Sources: Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **10071**

VAP-E26E_RPP07A02	Rappahannock River	LANCASTER CO	As delineated in VDH-DSS SFC 053A, 9/16/1993 RPPMH.

VA Overall AU Category: **5A**

Use	Impairment	0.10 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The mesohaline portion of the Rappahannock failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **10071**

VAP-E26E_STE01A98	**Sturgeon Creek**	MIDDLESEX CO	The segment boundaries are delineated in VDH shellfish condemnation 104. Sq. mileage adjusted in 2006, although area did not change RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.09 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the SAV acreage standards.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**	10071	**2006**	**2010**	VAP-E22E-01 The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the SAV acreage standards.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **10071**

VAP-E26E_WHS01B00	**Whiting Creek**	MIDDLESEX CO	The segment boundaries are delineated in VDH shellfish condemnation 051C, 9/10/1997 AU name fixed and sq. mileage adjusted in 2006, although area did not change RPPMH

VA Overall AU Category: **5D**

Use	Impairment	0.20 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the SAV acreage standards.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the SAV acreage standards.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **10071**

VAP-E26E_XEV01A02	**Windmill Point Yacht Harbor**	LANCASTER CO	As delineated in VDH-DSS SFC 018-053B, 9/16/1993 AU name corrected in 2006 (prev. RPP07B02) RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the SAV acreage standards.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the SAV acreage standards.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River Mesohaline Embayments**

TMDL Group ID: **10071**

VAP-E26E_ZZZ01A00	**Unsegmented estuaries in E26**	LANCASTER CO MIDDLESEX CO	Unsegmented portion of watershed RPPMH

VA Overall AU Category: **5A**

Use	Impairment	1.10 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the SAV acreage standards.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10071	**2006**	**2010**	VAP-E22E-01 The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the SAV acreage standards.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River, Beach Creek**

TMDL Group ID: **01067**

VAP-E25E_XDV01A02	**Beach Creek**	LANCASTER CO	The segment boundaries are delineated in VDH shellfish condemnation 116A, 12/27/2004. Expanded in 2006 RPPMH

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**	0.11	SQUARE MILES	01067	**1998**	**2010**	VAP-E25E-14 VDH shellfish condemnation 116A, 12/27/2004 Expanded in 2006

Sources: Source Unknown

TMDL Watershed Name: **Rappahannock River, Bush Park Creek**

TMDL Group ID: **01070**

VAP-E26E_BPC01A98	**Rappahannock River: Bush Park Creek**	MIDDLESEX CO	The segment boundaries are delineated in VDH shellfish condemnation 109, 4/27/1989. Size adjusted in 2006, although area did not change RPPMH

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**	0.10	SQUARE MILES	01070	**1998**	**2010**	VAP-E26E-10 The CB standards were implemented during the 2006 cycle. The mesohaline portion of the Rappahannock failed the open water summer dissolved oxygen criteria and the SAV acreage standards during the 2006 cycle.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River, Garrett's Marina**

TMDL Group ID: **01050**

VAP-E24E_RPP01B98	**Garrett's Marina**	ESSEX CO	The segment boundaries are delineated in VDH shellfish condemnation 181A, 11/6/1995. RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.00 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01050	**1998**	**2010**	VAP-E24E-03 VDH shellfish condemnation 181A, 11/6/1995

Sources: Marina/Boating Sanitary On-vessel Discharges
Source Unknown

TMDL Watershed Name: **Rappahannock River, Mark Haven Beach**

TMDL Group ID: **01065**

VAP-E25E_RPP01C98	**Rappahannock River - Mark Haven Beach**	ESSEX CO	The segment boundaries are delineated in VDH shellfish condemnation 026-181B, 11/6/1996. RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01065	**1998**	**2010**	VAP-E24E-04 VDH-DSS Shellfish Condemnation 026-181B, 11/6/1995

Sources: Source Unknown

TMDL Watershed Name: **Rappahannock River, Sturgeon Creek**

TMDL Group ID: **01093**

VAP-E26E_STE01A98	**Sturgeon Creek**	MIDDLESEX CO	The segment boundaries are delineated in VDH shellfish condemnation 104. Sq. mileage adjusted in 2006, although area did not change RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.09 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01093	**1998**	**2010**	VAP-E26E-12 VDH shellfish condemnation 104, 11/28/1994

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River, Tidal Fresh**

TMDL Group ID: **00317**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAN-E01R_RPP02A00	**Rappahannock River**	FAUQUIER CO RAPPAHANNOCK CO	Segment begins at the confluence with the Jordan River, at rivermile 175.58, and continues downstream until the confluence with an unnamed tributary to the Rappahannock River, at rivermile 173.41.

VA Overall AU Category: **5A**

Use	Impairment	2.17 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00317	**2006**	**2010**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (4 of 14 samples - 28.6%) were recorded at DEQ's ambient water quality monitoring station (3-RPP175.51) at the Route 647 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. The segment was previously listed for fecal coliform bacteria impairment. This stream segment was identified in the Plaintiff's List of the 1999 Consent Decree and is subject to the consent decree TMDL schedule.

Sources: Source Unknown

TMDL Group ID: **00322**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAN-E20E_RPP01A02	**Rappahannock River**	SPOTSYLVANIA CO STAFFORD CO	Segment begins at the confluence with Massaponax Creek and continues downstream until the outlet of waterbody VAN-E20E. This segment represents the upper reach of VAN-E21E_RPP05A02. Portion of CBP segment RPPTF.

VA Overall AU Category: **5A**

Use	Impairment	0.19 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00322	**2006**	**2010**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (2 of 13 samples - 15.4%) were recorded at DEQ's Chesapeake Bay/ambient station (3-RPP098.81) at Buoy 112 to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. The segment was previously listed for a fecal coliform bacteria impairment, beginning in 2002.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAN-E20E_RPP02A02	**Rappahannock River**	SPOTSYLVANIA CO STAFFORD CO	Segment begins at the confluence with Deep Run and continues downstream until the confluence with Massaponax Creek. Portion of CBP segment RPPTF.

VA Overall AU Category: **5A**

Use	Impairment	0.23 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00322	**2006**	**2010**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (2 of 7 samples - 28.6%) were recorded at DEQ's ambient water quality monitoring station (8-RPP104.47) one hundred yards below the Massaponax Wastewater Treatment Facility to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. The segment was previously listed for a fecal coliform impairment, beginning in 2002.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River, Tidal Fresh**

TMDL Group ID: **00322**

VAN-E20E_RPP03A02 — **Rappahannock River** — FREDERICKSBURG CITY, STAFFORD CO

Segment begins at the fall line at Route One and continues downstream until the confluence with Deep Run.
Portion of CBP segment RPPTF.

VA Overall AU Category: **5A**

Impairment 0.21 SQUARE MILES

Use		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	00322	**2006**	**2010**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (5 of 11 samples - 45.4%) were recorded at DEQ's ambient water quality monitoring station (3-RPP1110.57) at the Route One bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.
		Sources: Source Unknown			
Recreation	**Fecal Coliform**	00322	**2002**	**2010**	Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (3 of 16 samples - 18.8% and 6 of 13 samples - 46.2%, respectively) were recorded at DEQ's ambient water quality monitoring station (3-RPP107.91) one hundred yards below the Fredericksburg Wastewater Treatment Facility and DEQ's ambient water quality monitoring station (8-RPP110.57) at the Route One bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.
		Sources: Source Unknown			

VAN-E21E_RPP03A02 — **Rappahannock River** — CAROLINE CO, KING GEORGE CO

Segment begins at the confluence with Mount Creek and continues downstream until the confluence with Mill Creek.
Portion of CBP segment RPPTF.

VA Overall AU Category: **5A**

Impairment 1.36 SQUARE MILES

Use		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	00322	**2006**	**2010**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (2 of 14 samples - 14.3%) were recorded at DEQ's ambient water quality monitoring station (3-RPP080.19) at the Route 301 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. The segment was previously listed for a fecal coliform bacteria impairment, beginning in 2002.
		Sources: Source Unknown			

VAN-E21E_RPP04A02 — **Rappahannock River** — CAROLINE CO, KING GEORGE CO

Segment begins at the confluence with Ware Creek and continues downstream until the confluence with Mount Creek.
Portion of CBP segment RPPTF.

VA Overall AU Category: **5A**

Impairment 1.20 SQUARE MILES

Use		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	00322	**2006**	**2010**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (3 of 13 samples - 23.1%) were recorded at DEQ's ambient water quality and Chesapeake Bay monitoring station (3-RPP091.55) at buoy 89 to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. The segment was previously listed for a fecal coliform bacteria impairment, beginning in 2002.
		Sources: Source Unknown			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River, Tidal Fresh**

TMDL Group ID: **00322**

VAN-E21E_RPP05A02	Rappahannock River	CAROLINE CO STAFFORD CO	Segment begins at the confluence with Massaponax Creek and continues downstream until the confluence with Ware Creek. The upper reach of this segment (approx. 0.3 sq mi) extends into waterbody VAN-E20E. Portion of CBP segment RPPTF.

VA Overall AU Category: **5A**

Use	Impairment	0.57 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00322	**2006**	**2010**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (2 of 13 samples - 15.4%) were recorded at DEQ's ambient water quality and Chesapeake Bay monitoring station (8-RPP098.81) at buoy 112 to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. The segment was previously listed for a fecal coliform bacteria impairment, beginning in 2002.

Sources: Source Unknown

TMDL Group ID: **00838**

VAN-E08R_RPP02A02	Rappahannock River	CULPEPER CO FAUQUIER CO	Segment begins at the confluence with Ruffans Run and continues downstream until the confluence with Tinpot Run.

VA Overall AU Category: **5A**

Use	Impairment	2.02 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00838	**2006**	**2016**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (5 of 13 samples - 38.5%) were recorded at DEQ's ambient water quality monitoring station (3-RPP0147.10) at the Route 15/29 Business bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. The segment was previously listed, beginning in 2004, for fecal coliform bacteria impairment.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River, Tidal Fresh**

TMDL Group ID: **60075**

VAN-E02R_RPP01A02	Rappahannock River	CULPEPER CO FAUQUIER CO	Segment begins at the confluence with Great Run, at rivermile 154.9, and continues downstream until the confluence with the Hazel River, at rivermile 147.52.

VA Overall AU Category: **5A**

Use	Impairment (6.84 MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	60075	**2006**	**2018**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (6 of 10 samples - 60.0%) were recorded at DEQ's ambient water quality monitoring station (3-RPP150.32) at the Route 651 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.
	Sources: Source Unknown				
Recreation	**Fecal Coliform**	60075	**2006**	**2018**	Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (5 of 10 samples - 50.0%) were recorded at DEQ's ambient water quality monitoring station (3-RPP150.32) at the Route 651 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.
	Sources: Source Unknown				

TMDL Group ID: **60081**

VAN-E08R_RPP01A02	Rappahannock River	CULPEPER CO FAUQUIER CO	Segment begins at the confluence with an unnamed tributary to the Rappahannock River, at approximately rivermile 142.5, and continues downstream until the confluence with Marsh Run.

VA Overall AU Category: **5A**

Use	Impairment (2.85 MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	60081	**2006**	**2018**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (2 of 7 samples - 28.6%) were recorded at DEQ's ambient water quality monitoring station (3-RPP142.36) at the Route 620 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.
	Sources: Source Unknown				

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River, Tidal Fresh**

TMDL Group ID: **60138**

VAN-E20E_RPP01A02 **Rappahannock River** SPOTSYLVANIA CO STAFFORD CO

Segment begins at the confluence with Massaponax Creek and continues downstream until the outlet of waterbody VAN-E20E. This segment represents the upper reach of VAN-E21E_RPP05A02.
Portion of CBP segment RPPTF.

VA Overall AU Category: **5A**

Use	Impairment	0.19 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		60138	**2004**	**2016**	The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 12/13/04, limits American eel, blue catfish, carp, channel catfish, croaker, gizzard shad, and anadromous (coastal) striped bass consumption to no more than two meals per month. The affected area extends from the I-95 bridge above Fredericksburg downstream to the mouth of the river near Stingray Point, including its tributaries Hazel Run up to the I-95 bridge crossing and Claiborne Run up to the Route One bridge crossing. Exceedances of the water quality criterion based tissue value (TV) of 54 parts per billion (ppb) for polychlorinated biphenyls (PCBs) in fish tissue were recorded in two species of fish samples collected in 2001 at monitoring station 3-RPP080.19 (blue catfish and gizzard shad).

Sources: Source Unknown

VAN-E20E_RPP02A02 **Rappahannock River** SPOTSYLVANIA CO STAFFORD CO

Segment begins at the confluence with Deep Run and continues downstream until the confluence with Massaponax Creek.
Portion of CBP segment RPPTF.

VA Overall AU Category: **5A**

Use	Impairment	0.23 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		60138	**2004**	**2016**	The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 12/13/04, limits American eel, blue catfish, carp, channel catfish, croaker, gizzard shad, and anadromous (coastal) striped bass consumption to no more than two meals per month. The affected area extends from the I-95 bridge above Fredericksburg downstream to the mouth of the river near Stingray Point, including its tributaries Hazel Run up to the I-95 bridge crossing and Claiborne Run up to the Route One bridge crossing. Exceedances of the water quality criterion based tissue value (TV) of 54 parts per billion (ppb) for polychlorinated biphenyls (PCBs) in fish tissue were recorded in three species of fish samples collected in 2001 at monitoring station 3-RPP107.33 (gizzard shad, channel catfish, and carp).

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River, Tidal Fresh**

TMDL Group ID: **60138**

VAN-E20E_RPP03A02 — **Rappahannock River** — FREDERICKSBURG CITY, STAFFORD CO

Segment begins at the fall line at Route One and continues downstream until the confluence with Deep Run.
Portion of CBP segment RPPTF.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.21	SQUARE MILES	60138	**2004**	**2016**	The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 12/13/04, limits American eel, blue catfish, carp, channel catfish, croaker, gizzard shad, and anadromous (coastal) striped bass consumption to no more than two meals per month. The affected area extends from the I-95 bridge above Fredericksburg downstream to the mouth of the river near Stingray Point, including its tributaries Hazel Run up to the I-95 bridge crossing and Claiborne Run up to the Route One bridge crossing. Exceedances of the water quality criterion based tissue value (TV) of 54 parts per billion (ppb) for polychlorinated biphenyls (PCBs) in fish tissue were recorded in three species of fish samples collected in 2001 at monitoring station 3-RPP107.33 (gizzard shad, channel catfish, and carp). As a result, the waters were assessed not supporting of the CWA's fish consumption use goal.

Sources: Source Unknown

VAN-E20R_CLB01A00 — **Claiborne Run** — STAFFORD CO

Segment begins at the confluence with an unnamed tributary to Claiborne Run, approximately 0.5 rivermile upstream of the Route 1 crossing, and continues downstream until the confluence with the Rappahannock River.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	4.89	MILES	60138	**2006**	**2018**	The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 12/13/04, limits American eel, blue catfish, carp, channel catfish, croaker, gizzard shad, and anadromous (coastal) striped bass consumption to no more than two meals per month. The affected stretch extends from the Route 1 bridge crossing until the confluence with the Rappahannock River.

Sources: Source Unknown

VAN-E20R_HAL01A00 — **Hazel Run** — FREDERICKSBURG CITY, SPOTSYLVANIA CO

Segment begins at the Route 95 crossing and continues downstream until the confluence with the Rappahannock River.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	4.46	MILES	60138	**2006**	**2018**	The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 12/13/04, limits American eel, blue catfish, carp, channel catfish, croaker, gizzard shad, and anadromous (coastal) striped bass consumption to no more than two meals per month. The affected stretch extends from the Route 95 bridge crossing until the confluence with the Rappahannock River.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River, Tidal Fresh**

TMDL Group ID: **60138**

VAN-E21E_RPP01A02 **Rappahannock River** CAROLINE CO, KING GEORGE CO

Segment begins at the confluence with Mill Creek, at rivermile 78.94, and continues downstream until immediately upstream of Devils Elbow, at rivermile 70.52.
Portion of CBP segment RPPTF.

VA Overall AU Category: **5A**

Use	Impairment	4.50 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		60138	**2006**	**2018**	The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 12/13/04, limits American eel, blue catfish, carp, channel catfish, croaker, gizzard shad, and anadromous (coastal) striped bass consumption to no more than two meals per month. The affected area extends from the I-95 bridge above Fredericksburg downstream to the mouth of the river near Stingray Point, including its tributaries Hazel Run up to the I-95 bridge crossing and Claiborne Run up to the Route One bridge crossing.

Sources: Source Unknown

VAN-E21E_RPP03A02 **Rappahannock River** CAROLINE CO, KING GEORGE CO

Segment begins at the confluence with Mount Creek and continues downstream until the confluence with Mill Creek.
Portion of CBP segment RPPTF.

VA Overall AU Category: **5A**

Use	Impairment	1.36 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		60138	**2004**	**2016**	The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 12/13/04, limits American eel, blue catfish, carp, channel catfish, croaker, gizzard shad, and anadromous (coastal) striped bass consumption to no more than two meals per month. The affected area extends from the I-95 bridge above Fredericksburg downstream to the mouth of the river near Stingray Point, including its tributaries Hazel Run up to the I-95 bridge crossing and Claiborne Run up to the Route One bridge crossing. Exceedances of the water quality criterion based tissue value (TV) of 54 parts per billion (ppb) for polychlorinated biphenyls (PCBs) in fish tissue were recorded in two species of fish samples collected in 2001 at monitoring station 3-RPP080.19 (blue catfish and gizzard shad).

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rappahannock River, Tidal Fresh**

TMDL Group ID: **60138**

VAN-E21E_RPP04A02 **Rappahannock River** CAROLINE CO, KING GEORGE CO

Segment begins at the confluence with Ware Creek and continues downstream until the confluence with Mount Creek. Portion of CBP segment RPPTF.

VA Overall AU Category: **5A**

Use	Impairment	1.20 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		60138	**2004**	**2016**	The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 12/13/04, limits American eel, blue catfish, carp, channel catfish, croaker, gizzard shad, and anadromous (coastal) striped bass consumption to no more than two meals per month. The affected area extends from the I-95 bridge above Fredericksburg downstream to the mouth of the river near Stingray Point, including its tributaries Hazel Run up to the I-95 bridge crossing and Claiborne Run up to the Route One bridge crossing. Exceedances of the water quality criterion based tissue value (TV) of 54 parts per billion (ppb) for polychlorinated biphenyls (PCBs) in fish tissue were recorded in two species of fish samples collected in 2001 at monitoring station 3-RPP080.19 (blue catfish and gizzard shad).

Sources: Source Unknown

VAN-E21E_RPP05A02 **Rappahannock River** CAROLINE CO, STAFFORD CO

Segment begins at the confluence with Massaponax Creek and continues downstream until the confluence with Ware Creek. The upper reach of this segment (approx. 0.3 sq mi) extends into waterbody VAN-E20E. Portion of CBP segment RPPTF.

VA Overall AU Category: **5A**

Use	Impairment	0.57 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		60138	**2004**	**2016**	The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 12/13/04, limits American eel, blue catfish, carp, channel catfish, croaker, gizzard shad, and anadromous (coastal) striped bass consumption to no more than two meals per month. The affected area extends from the I-95 bridge above Fredericksburg downstream to the mouth of the river near Stingray Point, including its tributaries Hazel Run up to the I-95 bridge crossing and Claiborne Run up to the Route One bridge crossing. Exceedances of the water quality criterion based tissue value (TV) of 54 parts per billion (ppb) for polychlorinated biphenyls (PCBs) in fish tissue were recorded in two species of fish samples collected in 2001 at monitoring station 3-RPP080.19 (blue catfish and gizzard shad).

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Richardson Creek**

TMDL Group ID: **01049**

VAP-E24E_RIC01A04	Richardson Creek	RICHMOND CO	Tidal limit to mouth (within SFC 025-071A, 12/22/2004) RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.15 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01049	**1998**	**2010**	VAP-E24E-06 Portion of VDH Shellfish Condemnation 071A, 12/22/2004 Previous condemnations included Totuskey and Richardson Creeks. In 2004, the segment was shortened and the creeks were separated. However, in 2006 the segments were both recombined under 025-071A, 12/22/2004 and extended into the Rappahannock (see VAP-E24E-06)

Sources: Source Unknown

TMDL Watershed Name: **Robinson Creek**

TMDL Group ID: **00197**

VAP-E25E_ROS01A00	Robinson Creek	MIDDLESEX CO	Boundaries delineated in VDH shellfish condemnation 177, 5/28/1997. RPPMH

VA Overall AU Category: **5D**

Use	Impairment	0.18 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		00197	**1998**	**2014**	Category 4A VAP-E25E-02 In 2002, the segment was also assessed as not supporting the Recreation Use due to fecal coliform violations at the end of Route 680 (3-ROS001.35). The violation rate in the 2004 cycle was 4/20. There has been no additional monitoring since 2001. The fecal coliform criteria for Shellfish is more stringent, therefore the impairment is considered to be addressed by the existing shellfish TMDL (cat. 4A)

Sources: Non-Point Source

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Robinson Creek**

TMDL Group ID: **10082**

VAP-E25E_ROS02A04	**Robinson Creek**	MIDDLESEX CO	Described in VDH Shellfish Condemnation 177, 2/25/2004, not otherwise segmented Extended in 2006 cycle RPPMH

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**	0.29	SQUARE MILES	10082	**2006**	**2018**	VAP-E25E-22 The upstream portion of Robinson Creek was assessed in 1998 as not supporting the Shellfish Consumption Use based on VDH-DSS Condemnation 177, 5/28/1997. The TMDL for this original portion was completed and approved by EPA on 11/15/2005. During the 2006 cycle, however, the condemnation was extended downstream. The TMDL for this segment is due in 2018.

Sources: Non-Point Source

TMDL Group ID: **76650**

VAP-E25E_ROS01A00	**Robinson Creek**	MIDDLESEX CO	Boundaries delineated in VDH shellfish condemnation 177, 5/28/1997. RPPMH

VA Overall AU Category: **5D**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**	0.18	SQUARE MILES	76650	**1998**	**2005**	Category 4A VAP-E25E-02 The upstream portion of Robinson Creek was assessed in 1998 as not supporting the Shellfish Consumption Use based on VDH-DSS Condemnation 177, 5/28/1997. The TMDL for this original portion was completed and approved by EPA on 11/15/2005. The segment should be classified as Cat. 4A, however the EPA TMDL ID was not available at the time of assessment.

Sources: Non-Point Source

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Robinson River**

TMDL Group ID: **00214**

VAN-E14R_ROB01C00	Robinson River	MADISON CO	Segment begins at the confluence with the Rose River, just downstream of Route 670, and continues downstream until the crossing of Route 231, rivermile 21.58.

VA Overall AU Category: **5D**

Use	Impairment	2.92 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00214	**2006**	**2005**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (6 of 15 samples - 40.0%) were recorded at DEQ's ambient water quality monitoring station (3-ROB024.06) at the Route 649 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. A bacteria TMDL for the Robinson River watershed was submitted to the U.S. EPA and approved December 12, 2005. Nonpoint sources of fecal coliform are primarily agricultural (i.e., land-applied animal waste, manure deposited directly on pastures by livestock, and a significant fecal coliform load due to cattle directly depositing manure in streams) with a significant load applied to residential and forest land use categories. Non-agricultural anthropogenic nonpoint sources of fecal coliform loadings include straight pipes, failing septic systems, and pet waste. Wildlife contributes to fecal coliform loadings on all land uses, according to the acceptable habitat range for each species. Segment listed as Category 4A - Federal ID NA.

Sources: Grazing in Riparian or Shoreline Zones
Impacts from Land Application of Wastes
Livestock (Grazing or Feeding Operations)
Runoff from Forest/Grassland/Parkland
Sewage Discharges in Unsewered Areas
Wastes from Pets
Waterfowl
Wildlife Other than Waterfowl

TMDL Group ID: **00846**

VAN-E14R_ROB01C00	Robinson River	MADISON CO	Segment begins at the confluence with the Rose River, just downstream of Route 670, and continues downstream until the crossing of Route 231, rivermile 21.58.

VA Overall AU Category: **5D**

Use	Impairment	2.92 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Temperature, water**		00846	**2004**	**2016**	Sufficient exceedances of the instantaneous temperature criterion (6 of 29 samples - 20.7%) were recorded at DEQ's ambient water quality monitoring station (3-ROB024.06) at the Route 649 bridge to assess this stream segment as not supporting of the aquatic life use goal for the 2006 water quality assessment.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Robinson River**

TMDL Group ID: **60091**

VAN-E14R_ROB01A06	Robinson River	MADISON CO	Segment begins at the confluence with Leathers Run and continues downstream until the confluence with White Oak Run.

VA Overall AU Category: **5A**

Use	Impairment	3.45 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		60091	**2006**	**2018**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (3 of 21 samples - 14.3%) were recorded at DEQ's ambient water quality monitoring station (3-ROB017.24) at the Route 638 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sources: Source Unknown

TMDL Watershed Name: **Rose River**

TMDL Group ID: **60113**

VAN-E14R_ROE01A02	Rose River	MADISON CO	Segment starts at rivermile 2.6, approximately 0.36 rivermile downstream from the confluence with Strother Run, and continues downstream until the confluence with the Robinson River.

VA Overall AU Category: **5A**

Use	Impairment	2.60 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Temperature, water**		60113	**2006**	**2018**	Sufficient exceedances of the instantaneous temperature criterion (3 of 17 samples - 17.6%) were recorded at DEQ's ambient water quality monitoring station (3-ROE000.75) to assess this stream segment as not supporting of the aquatic life use goal for the 2006 water quality assessment.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Rush River**

TMDL Group ID: **00833**

VAN-E05R_RUS02A02	Rush River	RAPPAHANNOCK CO	Segment begins at the confluence with an unnamed tributary to the Rush River, at rivermile 8.78, and continues downstream until the confluence with Big Branch, approximately 0.98 rivermile upstream of Route 621.

VA Overall AU Category: **5A**

Use	Impairment	4.55 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00833	**2006**	**2014**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (4 of 9 samples - 44.4%) were recorded at DEQ's ambient water quality monitoring station (3-RUS005.66) at the Route 683 bridge, upstream of Route 211/ 522, to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. The segment was previously listed for a fecal coliform bacteria impairment.
		Sources: Source Unknown				
Recreation	**Fecal Coliform**		00833	**2002**	**2014**	Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (4 of 18 samples - 22.2%) were recorded at DEQ's ambient water quality monitoring station (3-RUS005.66) at the Route 683 bridge, upstream of Route 211/ 522, to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. The segment was first listed for fecal coliform bacteria impairment in 2002.
		Sources: Source Unknown				

TMDL Watershed Name: **Senior Creek**

TMDL Group ID: **01092**

VAP-E26E_SEN01A00	Senior Creek	LANCASTER CO	The boundaries are described in VDH shellfish condemnation 021-132B, 3/27/2002. Size adjusted in 2006 cycle, although area did not change. CRRMH

VA Overall AU Category: **5A**

Use	Impairment	0.06 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01092	**1998**	**2010**	VAP-E26E-08 VDH shellfish condemnation 021-132B, 3/27/2002
		Sources: Source Unknown				

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **South Run**

TMDL Group ID: **60077**

VAN-E02R_SUT01A04	South Run	FAUQUIER CO	Segment begins at the confluence with Tanner Branch and continues downstream until the confluence with Carter Run.

VA Overall AU Category: **5A**

Use	Impairment	3.93 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		60077	**2006**	**2018**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (6 of 22 samples - 27.3%) were recorded at DEQ's ambient water quality monitoring station (3-SUT002.62) at the Route 737 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sources: Source Unknown

TMDL Watershed Name: **Taylor Creek**

TMDL Group ID: **01094**

VAP-E26E_TAY01A00	Taylor Creek	LANCASTER CO	The boundaries are described in VDH shellfish condemnation 021-205, 3/27/2002. Size reduced in 2004 cycle. CRRMH

VA Overall AU Category: **5A**

Use	Impairment	0.09 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01094	**2004**	**2016**	VAP-E26E-03 VDH shellfish condemnation 205 was rescinded in 2002 cycle and then reopened on 3/27/2002

Sources: Source Unknown

TMDL Watershed Name: **The Big Swamp**

TMDL Group ID: **10106**

VAP-E23R_TBS01A06	The Big Swamp	RICHMOND CO WESTMORELAND CO	Headwaters to mouth at Cat Point Creek

VA Overall AU Category: **5C**

Use	Impairment	6.80 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		10106	**2006**	**2018**	VAP-E23R-15 During the 2006 cycle, The Big Swamp was assessed as not supporting the Aquatic Life Use based on a dissolved oxygen violation rate of 2/15 at 3-TBS003.39. This segment is nested within VAP-E23R-01.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Thornton River**

TMDL Group ID: **60078**

VAN-E05R_THO01A02 **Thornton River** RAPPAHANNOCK CO

Segment begins at the confluence with White Walnut Run, approximately 0.8 rivermile downstream of Route 621, and continues downstream to the confluence with the Rush River.

VA Overall AU Category: **5A**

Use	Impairment	3.38 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		60078	**2006**	**2018**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (2 of 8 samples - 25.0%) were recorded at DEQ's ambient water quality monitoring station (3-THO014.37) at the Route 626 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. There was insufficient data to determine a fecal coliform bacteria impairment (1 of 8 samples - 12.5%).

Sources: Source Unknown

VAN-E06R_THO02A02 **Thornton River** CULPEPER CO RAPPAHANNOCK CO

Segment begins at the confluence with Mill Run, at rivermile 8.65, and continues downstream until the confluence with an unnamed tributary to the Thornton River, at rivermile 3.25.

VA Overall AU Category: **5A**

Use	Impairment	5.40 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		60078	**2006**	**2018**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (2 of 10 samples - 20.0%) were recorded at DEQ's ambient water quality monitoring station (3-THO006.50) at the Route 729 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Totuskey Creek**

TMDL Group ID: **01030**

VAP-E24E_TOT01A00 **Totuskey Creek** RICHMOND CO

The segment boundary is delineated in VDH condemnation 071B, 12/22/2004.

Sq. mileage adjusted in 2006, although area did not change

RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.36 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Chloride**		01030	**2004**	**2016**	VAP-E24E-02 In addition, in the 2004 cycle the segment was assessed not supporting of the Aquatic Life and Wildlife Uses based on chloride violations at 3-TOT005.11. The segment remained impaired in 2006. The chloride TMDL is due in 2016. Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed
Wildlife	**Chloride**		01030	**2004**	**2016**	VAP-E24E-02 In addition, in the 2004 cycle the segment was assessed not supporting of the Aquatic Life and Wildlife Uses based on chloride violations at 3-TOT005.11. The segment remained impaired in 2006. The chloride TMDL is due in 2016. Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

VAP-E24E_TOT02A00 **Totuskey Creek** RICHMOND CO

Downstream of VDH shellfish condemnation 025-071B, 12/22/2004 (within 025-071A, 12/22/2004).

RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.75 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Chloride**		01030	**2004**	**2016**	VAP-E24E-02 In the 2004 cycle the segment was assessed not supporting of the Aquatic Life and Wildlife Uses based on chloride violations at 3-TOT005.11. The segment remained impaired in 2006. The chloride TMDL is due in 2016. Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed
Wildlife	**Chloride**		01030	**2004**	**2016**	VAP-E24E-02 In the 2004 cycle the segment was assessed not supporting of the Aquatic Life and Wildlife Uses based on chloride violations at 3-TOT005.11. The segment remained impaired in 2006. The chloride TMDL is due in 2016. Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Totuskey Creek**

TMDL Group ID: **01051**

VAP-E24E_TOT01A00	**Totuskey Creek**	RICHMOND CO	The segment boundary is delineated in VDH condemnation 071B, 12/22/2004. Sq. mileage adjusted in 2006, although area did not change RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.36 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Enterococcus**		01051	**2006**	**2014**	VAP-E24E-02 Totuskey Creek was previously assessed as not supporting the Recreation Use because of fecal coliform violations at the Route 3 bridge (3-TOT005.11). During the 2006 cycle, the segment remained impaired for fecal coliform with a violation rate of 3/21. In addition, enterococci was added as an impairment with a violation rate of 3/9. The bacteria TMDL is due in 2014.
		Sources:	Municipal Point Source Discharges Source Unknown			
Recreation	**Fecal Coliform**		01051	**2002**	**2014**	VAP-E24E-02 Totuskey Creek was previously assessed as not supporting the Recreation Use because of fecal coliform violations at the Route 3 bridge (3-TOT005.11). During the 2006 cycle, the segment remained impaired for fecal coliform with a violation rate of 3/21. In addition, enterococci was added as an impairment with a violation rate of 3/9. The bacteria TMDL is due in 2014.
		Sources:	Municipal Point Source Discharges Source Unknown			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Totuskey Creek**

TMDL Group ID: **01051**

VAP-E24E_TOT02A00	Totuskey Creek	RICHMOND CO	Downstream of VDH shellfish condemnation 025-071B, 12/22/2004 (within 025-071A, 12/22/2004). RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.75 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Enterococcus**		01051	**2006**	**2010**	VAP-E24E-02 Totuskey Creek was previously assessed as not supporting the Recreation Use because of fecal coliform violations at the Route 3 bridge (3-TOT005.11). During the 2006 cycle, the segment remained impaired for fecal coliform with a violation rate of 3/21. In addition, enterococci was added as an impairment with a violation rate of 3/9. The bacteria TMDL is due in 2014.
		Sources:	Municipal Point Source Discharges Source Unknown			
Recreation	**Fecal Coliform**		01051	**1998**	**2014**	VAP-E24E-02 Totuskey Creek was previously assessed as not supporting the Recreation Use because of fecal coliform violations at the Route 3 bridge (3-TOT005.11). During the 2006 cycle, the segment remained impaired for fecal coliform with a violation rate of 3/21. In addition, enterococci was added as an impairment with a violation rate of 3/9. The bacteria TMDL is due in 2014.
		Sources:	Municipal Point Source Discharges Source Unknown			

TMDL Group ID: **10074**

VAP-E24E_TOT01A00	Totuskey Creek	RICHMOND CO	The segment boundary is delineated in VDH condemnation 071B, 12/22/2004. Sq. mileage adjusted in 2006, although area did not change RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.36 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Sediment Bioassays for Estuarine and Marine Water**		10074	**2006**	**2018**	VAP-E24E-02 During the 2006 cycle, estuarine probabilistic monitoring was conducted through the Coastal 2000 program at 3-TOT007.84 and 3-TOT004.92. The data was assessed by CO through the Weight of Evidence approach. Although both stations showed benthic alteration, the alteration at station 3-TOT007.84 was assessed as Category 5A for toxics. The TMDL is due in 2018.
		Sources:	Source Unknown			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Totuskey Creek**

TMDL Group ID: **10074**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-E24E_TOT02A00	**Totuskey Creek**	RICHMOND CO	Downstream of VDH shellfish condemnation 025-071B, 12/22/2004 (within 025-071A, 12/22/2004). RPPMH

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Sediment Bioassays for Estuarine and Marine Water**	0.75 SQUARE MILES	10074	**2006**	**2018**	VAP-E24E-02 During the 2006 cycle, estuarine probabilistic monitoring was conducted through the Coastal 2000 program at 3-TOT007.84 and 3-TOT004.92. The data was assessed by CO through the Weight of Evidence approach. Although both stations showed benthic alteration, the alteration at station 3-TOT007.84 was assessed as Category 5A for toxics. The TMDL is due in 2018.

Sources: Source Unknown

TMDL Group ID: **10107**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-E24R_TOT01A06	**Totuskey Creek**	RICHMOND CO	The nontidal portion of Totuskey Creek

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	8.46 MILES	10107	**2006**	**2018**	VAP-E24R-02 During the 2006 cycle, the nontidal portion of Totuskey Creek was assessed as not supporting the Recreation Use due to an E. coli violation rate of 2/9 at 3-TOT009.95. Further monitoring is recommended.

Sources: Source Unknown

TMDL Watershed Name: **Town Creek**

TMDL Group ID: **01095**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-E26E_TON01A00	**Town Creek**	LANCASTER CO	The boundaries are described in VDH shellfish condemnation 187A, 3/27/2002. Size adjusted in 2006, although area did not change CRRMH

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**	0.02 SQUARE MILES	01095	**2002**	**2014**	VAP-E26E-07 VDH shellfish condemnation 187A, 3/27/2002

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Urbanna Creek**

TMDL Group ID: **00198**

VAP-E25E_URB02A00	Urbanna Creek	MIDDLESEX CO	As delineated in VDH shellfish condemnation 042A, 9/17/1993. Sq. mileage adjusted in 2006 RPPMH

VA Overall AU Category: **5D**

Use	Impairment	0.24 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		00198	**1998**	**2005**	Category 4A VAP-E25E-04 The segment is assessed as impaired of the Shellfish Consumption Use based on VDH-DSS Shellfish Condemnation 042A, 9/17/1993. The TMDL was completed and approved by EPA on 11/15/2005 and the segment should be assessed as Cat. 4A.

Sources: Municipal Point Source Discharges
Non-Point Source

TMDL Group ID: **01785**

VAP-E25E_URB01A00	Urbanna Creek	MIDDLESEX CO	As described in VDH-DSS SFC 42B, 9/17/1993. Sq. mileage adjusted in 2006 RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.22 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		01785	**2004**	**2016**	VAP-E25E-19 The segment was assessed in 2004 as not supporting of the Recreation Use based on a fecal coliform violation rate of 3/20 at 3-URB001.50, located at the end of Route 418. There has been no additional monitoring at this station since 2001; therefore, although the violation rate was 0/8 during the 2006 assessment window, the segment must remain listed until further data can be collected.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Ware Creek**

TMDL Group ID: **00852**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAN-E21R_WAE01A04	**Ware Creek**	CAROLINE CO	Segment begins at the headwaters of Ware Creek and continues downstream until the confluence with an unnamed tributary to Ware Creek, just downstream from Burma Road.

VA Overall AU Category: **5C**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**	2.94 MILES	00852	**2004**	**2016**	Sufficient exceedances of the instantaneous pH criterion (2 of 2 samples - 100%) were recorded at DEQ's freshwater probabilistic monitoring station (3-WAE005.95) at the Fort A.P. Hill property to assess this stream segment as not supporting of the aquatic life use goal for the 2006 water quality assessment.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

TMDL Watershed Name: **Weeks (Mudd) Creek**

TMDL Group ID: **01066**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-E25E_WEE01A00	**Weeks Creek**	MIDDLESEX CO	The segment boundaries are delineated in VDH shellfish condemnation 202, 10/8/1996. RPPMH

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**	0.12 SQUARE MILES	01066	**1998**	**2010**	VAP-E25E-09 The segment was assessed as not supporting of the Shellfish Use during the 1998 cycle due to VDH shellfish condemnation 202, 10/8/1996. This segment is now a portion of SFC 202A, 9/3/2003. The TMDL was completed for the original 1998 segment during the 2006 cycle and approved by EPA on 11/15/2005. The segment should be categorized as Cat. 4A for Shellfish, however the EPA TMDL ID was not available at the time of assessment.

Sources: Non-Point Source

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Weeks Creek**

TMDL Group ID: **10079**

VAP-E25E_WEE02A04	Weeks Creek	MIDDLESEX CO	The segment boundaries are delineated in VDH shellfish condemnation 202A, 9/3/2003, not otherwise delineated. RPPMH

VA Overall AU Category: **5A**

Use	Impairment	0.10 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		10079	**1998**	**2018**	VAP-E25E-08 This segment is a portion of SFC 202A, 9/3/2003 during the 2006 cycle. Although a TMDL was completed for Weeks Creek and approved by EPA on 11/15/2005, it only covers the original upstream 1998 impairment.

Sources: Non-Point Source

TMDL Watershed Name: **Western Branch Corrotoman River, Unnamed Tributary**

TMDL Group ID: **10121**

VAP-E26R_XEY01A06	UT to Western Branch Corrotoman River	LANCASTER CO	Headwaters to mouth at Western Branch Corrotoman River

VA Overall AU Category: **5C**

Use	Impairment	3.30 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		10121	**2006**	**2018**	VAP-E26R-02 During the 2006 cycle, unnamed tributary XEY was considered impaired of the Aquatic Life Use based on a pH violation rate of 3/10 at the Route 604 bridge (3-XEY001.00).

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **White Oak Run**

TMDL Group ID: **60092**

VAN-E14R_WHO01A06	White Oak Run	MADISON CO	Segment begins at the Town of Madison's raw water intake, approximately 0.4 rivermile upstream from the Route 657 crossing, and continues downstream until the confluence with the Robinson River.

VA Overall AU Category: **5A**

Use	Impairment	3.42 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		60092	**2006**	**2018**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (5 of 5 samples - 100%) were recorded at DEQ's ambient water quality monitoring station (3-WHO003.42) at the Route 657 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sources: Grazing in Riparian or Shoreline Zones
Impacts from Land Application of Wastes
Livestock (Grazing or Feeding Operations)
Runoff from Forest/Grassland/Parkland
Sewage Discharges in Unsewered Areas
Wastes from Pets
Waterfowl
Wildlife Other than Waterfowl

TMDL Watershed Name: **Whitehouse Creek**

TMDL Group ID: **01096**

VAP-E26E_WHR01A00	Whitehouse Creek	LANCASTER CO	The boundaries are described in VDH shellfish condemnation 187D, 3/27/2002 Size adjusted in 2006, although area did not change CRRMH

VA Overall AU Category: **5A**

Use	Impairment	0.05 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01096	**1998**	**2010**	VAP-E26E-33 VDH shellfish condemnation 187D, 3/27/2002

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Rappahannock River Basin

TMDL Watershed Name: **Whiting Creek**

TMDL Group ID: **00201**

VAP-E26E_WHS01B00	**Whiting Creek**	MIDDLESEX CO	The segment boundaries are delineated in VDH shellfish condemnation 051C, 9/10/1997 AU name fixed and sq. mileage adjusted in 2006, although area did not change RPPMH

VA Overall AU Category: **5D**

Use	Impairment	0.20 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		00201	**1998**	**2005**	Category 4A VAP-E26E-24 VDH shellfish condemnation 051C, 9/10/1997 The Shellfish TMDL was completed during the 2006 cycle and approved by EPA on 11/15/2005. The segment should be considered Category 4A for Shellfish, although the EPA TMDL ID was not available at the time of assessment.

Sources: Non-Point Source

Note: * Includes Category 4A and 4C Impairments within each Assessment Unit. Assessment Units may extend across jurisdictional boundaries.

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Roanoke and Yadkin River Basins

TMDL Watershed Name: **Aarons Creek**

TMDL Group ID: **00773**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAC-L73R_AAR01A00	**Aarons Creek**	HALIFAX CO MECKLENBURG CO	VA/NC border to Dan River.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	14.05 MILES	00773	**2002**	**2014**	
		Sources: Source Unknown				

TMDL Watershed Name: **Allen Creek**

TMDL Group ID: **00782**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAC-L78R_ALN03A04	**Allen Creek**	MECKLENBURG CO	Layton Creek downstream to Cox Creek

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	8.97 MILES	00782	**2006**	**2018**	
		Sources: Source Unknown				
Recreation	**Fecal Coliform**		00782	**2004**	**2016**	
		Sources: Source Unknown				

TMDL Watershed Name: **Allen Creek, Unnamed Tributary**

TMDL Group ID: **00783**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAC-L78R_XUQ01A04	**Unnamed Tributary to Allen Creek**	MECKLENBURG CO	Entire tributary located just south of the intersection of Redlawn and Baskerville Roads in Mecklenburg County.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	0.92 MILES	00783	**2004**	**2016**	
		Sources: Non-Point Source				

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Roanoke and Yadkin River Basins

TMDL Watershed Name: **Ash Camp Creek**

TMDL Group ID: **00115**

VAC-L39R_ACC01A98	Ash Camp Creek	CHARLOTTE CO	Headwaters to Roanoke Creek.

VA Overall AU Category: **5D**

Use	Impairment	7.46 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		00115	**1998**	**2004**	Category 4A - Ash Camp Creek Sediment TMDL.

Sources: Crop Production (Crop Land or Dry Land)
Erosion from Derelict Land (Barren Land)
Managed Pasture Grazing
Municipal Point Source Discharges

TMDL Group ID: **00751**

VAC-L39R_ACC01A98	Ash Camp Creek	CHARLOTTE CO	Headwaters to Roanoke Creek.

VA Overall AU Category: **5D**

Use	Impairment	7.46 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		00751	**2004**	**2016**	

Sources: Source Unknown

TMDL Watershed Name: **Back Creek**

TMDL Group ID: **00704**

VAW-L06R_BAA01A00	Back Creek Lower	ROANOKE CO	Back Creek mainstem from the WQS designated end of the public water supply (PWS) section, ~0.83 miles upstream of the Rt. 116 crossing downstream to the Back Creek mouth; as determined from the 795 ft. Smith Mountain Lake pool elevation.

VA Overall AU Category: **5A**

Use	Impairment	5.70 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		00704	**2004**	**2016**	

Sources: Livestock (Grazing or Feeding Operations)
Municipal (Urbanized High Density Area)
Unspecified Domestic Waste
Wastes from Pets
Wildlife Other than Waterfowl

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Roanoke and Yadkin River Basins

TMDL Watershed Name: **Back Creek**

TMDL Group ID: **00704**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAW-L06R_BAA02A00	**Back Creek Lower Middle**	ROANOKE CO	Back Creek mainstem waters from just below the Rt. 220 crossing (~0.5 mi), Red Hill at the mouth of an unnamed tributary to Back Creek on downstream to the WQS designated end of the PWS section, ~0.83 miles upstream of the Rt. 116 crossing.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	4.22 MILES	00704	**2004**	**2016**	

Sources: Livestock (Grazing or Feeding Operations)
Municipal (Urbanized High Density Area)
Unspecified Domestic Waste
Wastes from Pets
Wildlife Other than Waterfowl

TMDL Watershed Name: **Banister River**

TMDL Group ID: **00382**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAC-L67R_BAN01A98	**Banister River**	HALIFAX CO	Elkhorn Creek to Sandy Creek

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	8.62 MILES	00382	**2004**	**2010**	

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAC-L71R_BAN02A98	**Banister River**	HALIFAX CO	Sandy Creek to Banister Lake

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	4.56 MILES	00382	**2004**	**2010**	

Sources: Source Unknown

TMDL Group ID: **00549**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAC-L71R_BAN04A00	**Banister River**	HALIFAX CO	Banister Lake to Burlington Industries raw water intake 2000' downstream of Route 360 bridge.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	1.41 MILES	00549	**2004**	**2016**	

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Roanoke and Yadkin River Basins

TMDL Watershed Name: **Banister River**

TMDL Group ID: **00549**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAC-L71R_BAN05A00	**Banister River**	HALIFAX CO	2000' downstream of Rte 360 bridge (Burlington Industries' raw water intake) to Dan River.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	10.52 MILES	00549	**2004**	**2016**	

Sources: Source Unknown

TMDL Group ID: **00758**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAC-L65R_BAN03A00	**Banister River**	PITTSYLVANIA CO	Banister River mainstem from the mouth of Bearskin Creek upstream to the mouth of Wet Sleeve Creek.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	4.98 MILES	00758	**2004**	**2016**	

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAC-L65R_BAN04A00	**Banister River**	PITTSYLVANIA CO	Banister River mainstem from the mouth of Wet Sleeve Creek upstream to its headwaters.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	6.67 MILES	00758	**2004**	**2016**	

Sources: Source Unknown

TMDL Watershed Name: **Bearskin Creek**

TMDL Group ID: **50142**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAC-L65R_BKN01A00	**Bearskin Creek**	PITTSYLVANIA CO	Bearskin Creek and its tributaries from its mouth on the Banister River upstream.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	9.35 MILES	50142	**2006**	**2018**	

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Roanoke and Yadkin River Basins

TMDL Watershed Name: **Beaver Creek**

TMDL Group ID: **50292**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAW-L53R_BAU01A06	**Beaver Creek**	HENRY CO	The mainstem waters of Beaver Creek from its mouth on the Smith River upstream to the Martinsville Reservoir.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	5.12 MILES	50292	**2006**	**2018**	

Sources: Livestock (Grazing or Feeding Operations)
Municipal (Urbanized High Density Area)
Unspecified Domestic Waste
Wastes from Pets
Wildlife Other than Waterfowl

TMDL Watershed Name: **Beaver Pond Creek**

TMDL Group ID: **00777**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAC-L75R_BPC01A04	**Beaver Pond Creek**	MECKLENBURG CO	Beaver Pond Creek from its headwaters to Kerr Reservoir

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	5.03 MILES	00777	**2004**	**2016**	

Sources: Source Unknown

TMDL Watershed Name: **Beaverdam Creek (Lower)**

TMDL Group ID: **00212**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAW-L07R_BDA01A00	**Beaverdam Creek Lower**	BEDFORD CO	Beaverdam Creek mainstem waters from the WQS designated public water supply (PWS) section, eg. 5 miles above the 795 ft. pool elevation of Smith Mtn. Lake on downstream to the inundation of Beaverdam Creek's waters at Smith Mtn. Lake.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	5.58 MILES	00212	**2006**	**2010**	12 or more Escherichia coli (E.coli) bacteria samples.

Sources: Livestock (Grazing or Feeding Operations)
Municipal (Urbanized High Density Area)
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)
Unspecified Domestic Waste
Wastes from Pets
Wildlife Other than Waterfowl

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Roanoke and Yadkin River Basins

TMDL Watershed Name: **Berles Creek**

TMDL Group ID: **50127**

VAC-L40R_BLE01A06	Berles Creek	CHARLOTTE CO	Headwaters to Sandy Creek

VA Overall AU Category: **5A**

Use	Impairment	2.18 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		50127	**2006**	**2014**	

Sources: Source Unknown

TMDL Watershed Name: **Big Chestnut Creek**

TMDL Group ID: **00697**

VAW-L15R_CNT01A00	Big Chestnut Creek	FRANKLIN CO	Big Chestnut Creek mainstem from its mouth on the Pigg River upstream to the confluence of Little Chestnut Creek.

VA Overall AU Category: **5A**

Use	Impairment	12.88 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00697	**2006**	**2016**	

Sources: Livestock (Grazing or Feeding Operations)
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)
Unspecified Domestic Waste
Wastes from Pets
Wildlife Other than Waterfowl

Recreation	**Fecal Coliform**	00697	**2004**	**2016**

Sources: Livestock (Grazing or Feeding Operations)
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)
Unspecified Domestic Waste
Wastes from Pets
Wildlife Other than Waterfowl

TMDL Watershed Name: **Big Cub Creek**

TMDL Group ID: **50124**

VAC-L37R_BUB01A06	Big Cub Creek	CHARLOTTE CO	Fom the confluence with Cub Creek upstream to its headwaters to include Left Hand Fork and tribs

VA Overall AU Category: **5A**

Use	Impairment	25.11 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		50124	**2006**	**2018**	

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Roanoke and Yadkin River Basins

TMDL Watershed Name: **Birch Creek**

TMDL Group ID: **50138**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAC-L63R_BIR02A06	**Birch Creek**	HALIFAX CO PITTSYLVANIA CO	From Carlton Creek to its headwaters

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	14.81 MILES	50138	**2006**	**2018**	

Sources: Source Unknown

TMDL Watershed Name: **Birch Creek, Unnamed Tributary**

TMDL Group ID: **50139**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAC-L63R_XDK01A06	**Unnamed Tributary to Birch Creek**	HALIFAX CO	From its headwaters to the mouth on Birch Creek

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	5.17 MILES	50139	**2006**	**2018**	

Sources: Source Unknown

TMDL Watershed Name: **Blackberry Creek**

TMDL Group ID: **00377**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAW-L52R_BRY01A00	**Blackberry Creek Lower**	HENRY CO	Blackberry Creek mainstem from the upper end of the WQS designated public water supply (PWS) section near the American Legion Bridge downstream to the Blackberry Creek mouth on the Smith River.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	0.50 MILES	00377	**2004**	**2010**	12 or more Escherichia coli (E.coli) bacteria samples.

Sources: Municipal (Urbanized High Density Area)
Municipal Point Source Discharges
Wastes from Pets
Wildlife Other than Waterfowl

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Roanoke and Yadkin River Basins

TMDL Watershed Name: **Blackberry Creek**

TMDL Group ID: **00377**

VAW-L52R_BRY02A00 **Blackberry Creek Middle** HENRY CO

The Blackberry Creek mainstem from the confluence of Whitt Branch downstream to the end of the WQS public water supply designation near the American Legion Bridge.

VA Overall AU Category: **5A**

Use	Impairment	3.58 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00377	**2004**	**2010**	12 or more Escherichia coli (E.coli) bacteria samples.

Sources: Municipal (Urbanized High Density Area)
Municipal Point Source Discharges
Wastes from Pets
Wildlife Other than Waterfowl

VAW-L52R_BRY03A00 **Blackberry Creek Upper 1** HENRY CO

Blackberry Creek mainstem from the Sanville Utilities Fairway Acres outfall downstream to Whitt Branch.

VA Overall AU Category: **5A**

Use	Impairment	5.36 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00377	**2004**	**2010**	12 or more Escherichia coli (E.coli) bacteria samples.

Sources: Municipal (Urbanized High Density Area)
Municipal Point Source Discharges
Wastes from Pets
Wildlife Other than Waterfowl

VAW-L52R_BRY04A02 **Blackberry Creek Upper 2** HENRY CO PATRICK CO

Blackberry Creek mainstem from its headwaters downstream to the Sanville Utilities Fairway Acres outfall.

VA Overall AU Category: **5A**

Use	Impairment	4.19 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00377	**2004**	**2010**	12 or more Escherichia (E.coli) bacteria samples.

Sources: Municipal (Urbanized High Density Area)
Unspecified Domestic Waste
Wastes from Pets
Wildlife Other than Waterfowl

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Roanoke and Yadkin River Basins

TMDL Watershed Name: **Blackberry Creek**

TMDL Group ID: **00377**

VAW-L52R_XMI01A02	Blackberry Creek, UT (XMI)	HENRY CO	An unnamed tributary to Blackberry Creek from its mouth upstream to its headwaters. The mouth of the tributary is located at 36° 44' 38" / 80° 03' 07".

VA Overall AU Category: **5A**

Use	Impairment	1.20 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00377	**2004**	**2010**	12 or more Escherichia coli (E.coli) bacteria samples.

Sources: Municipal (Urbanized High Density Area)
Municipal Point Source Discharges
Unspecified Domestic Waste
Wastes from Pets
Wildlife Other than Waterfowl

TMDL Watershed Name: **Blackwater River, Lower and Tributaries**

TMDL Group ID: **00124**

VAW-L08R_BWR01A00	Blackwater River Lower 1	FRANKLIN CO	Blackwater River mainstem from the Rt. 122 Bridge downstream to the mouth of Maggoddee Creek.

VA Overall AU Category: **5D**

Use	Impairment	3.09 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00124	**2004**	**2001**	Category 4A. 12 or more Escherichia coli (E.coli) bacteria samples. Originally 303(d) Listed in 1996 for FC.

Sources: Livestock (Grazing or Feeding Operations)
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)
Unspecified Domestic Waste
Wildlife Other than Waterfowl

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Roanoke and Yadkin River Basins

TMDL Watershed Name: **Blackwater River, Lower and Tributaries**

TMDL Group ID: **00124**

VAW-L10R_BWR01A00	Blackwater River Lower	FRANKLIN CO	Blackwater mainstem from the Dillions Mill Branch mouth downstream into Smith Mountain Lake. The waters are within the WQS designated public water supply (PWS) section, 5 miles upstream of the 795 ft. pool elevation of Smith Mtn. Lake.

VA Overall AU Category: **5D**

Use	Impairment	0.50 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00124	**2006**	**2001**	Category 4A. Lower Blackwater River Bacteria TMDL Study & Allocations US EPA approved 04/27/2001; Fed. ID 1888. SWCB approved 6/17/2004. VAW-L08R-04.

Sources: Livestock (Grazing or Feeding Operations)
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)
Unspecified Domestic Waste
Wildlife Other than Waterfowl

Recreation	**Fecal Coliform**	00124	**1996**	**2001**	Category 4A. FC remains as 12 or more Escherichia coli (E.coli) collections have not been made. Lower Blackwater River Bacteria TMDL Study & Allocations US EPA approved 04/27/2001; Fed. ID 1888. SWCB approved 6/17/2004. VAW-L08R-04.

Sources: Livestock (Grazing or Feeding Operations)
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)
Unspecified Domestic Waste
Wildlife Other than Waterfowl

TMDL Watershed Name: **Blackwater River, Middle**

TMDL Group ID: **00126**

VAW-L10R_BWR02A00	Blackwater River Middle	FRANKLIN CO	Blackwater River mainstem waters from the upper end of the WQS designated public water supply (PWS) section downstream to Dillions Mill Branch.

VA Overall AU Category: **5D**

Use	Impairment	5.22 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00126	**2006**	**2001**	Category 4A. Lower Blackwater River Bacteria TMDL Study & Allocations US EPA approved 04/27/2001; Fed. ID 1888. SWCB approved 6/17/2004. VAW-L08R-04.

Sources: Livestock (Grazing or Feeding Operations)
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)
Unspecified Domestic Waste
Wildlife Other than Waterfowl

Recreation	**Fecal Coliform**	00126	**1996**	**2001**	Category 4A. FC remains as 12 or more Escherichia coli (E.coli) collections have not been made. Lower Blackwater River Bacteria TMDL Study & Allocations US EPA approved 04/27/2001; Fed. ID 1888. SWCB approved 6/17/2004. VAW-L08R-04.

Sources: Livestock (Grazing or Feeding Operations)
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)
Unspecified Domestic Waste
Wildlife Other than Waterfowl

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Roanoke and Yadkin River Basins

TMDL Watershed Name: **Blackwater River, South Fork, Lower, and Tributaries**

TMDL Group ID: **00102**

VAW-L08R_GCR01A00	Green Creek	FRANKLIN CO	Green Creek mainstem from its perennial headwaters downstream to the community of Algoma where the South Fork of the Blackwater River begins.

VA Overall AU Category: **5D**

Use	Impairment	3.93 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		00102	**1998**	**2001**	Category 4A. FC remains as 12 or more Escherichia Coli have not been collected. The South Fork Blackwater River TMDL Bacteria Study & Allocations U.S. EPA approved 2/02/2001; Fed. ID 1886/7791. SWCB approved 6/17/2004. Bacteria Implementation Plan SWCB approved 6/17/2004. VAW-L08R-01.

Sources: Livestock (Grazing or Feeding Operations)
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)
Unspecified Domestic Waste
Wildlife Other than Waterfowl

TMDL Watershed Name: **Blackwater River, Upper**

TMDL Group ID: **00130**

VAW-L10R_BWR03A00	Blackwater River Upper	FRANKLIN CO	Blackwater River mainstem from the Maggodee Creek mouth on downstream to the upper end of the WQS designated public water supply (PWS) section.

VA Overall AU Category: **5D**

Use	Impairment	2.62 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00130	**2006**	**2001**	Category 4A. Lower Blackwater River Bacteria TMDL Study & Allocations US EPA approved 04/27/2001; Fed. ID 1888. SWCB approved 6/17/2004. VAW-L08R-04.

Sources: Livestock (Grazing or Feeding Operations)
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)
Unspecified Domestic Waste
Wildlife Other than Waterfowl

Recreation	**Fecal Coliform**		00130	**1996**	**2001**	Category 4A. FC remains as 12 or more Escherichia coli (E.coli) collections have not been made. Lower Blackwater River Bacteria TMDL Study & Allocations US EPA approved 04/27/2001; Fed. ID 1888. SWCB approved 6/17/2004. VAW-L08R-04.

Sources: Livestock (Grazing or Feeding Operations)
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)
Unspecified Domestic Waste
Wildlife Other than Waterfowl

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Roanoke and Yadkin River Basins

TMDL Watershed Name: **Blackwater River, Upper**

TMDL Group ID: **00130**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAW-L12L_BWR03A02	**Blackwater River SML Upper**	FRANKLIN CO	Blackwater River from its backwaters of SML downstream approximately 4.4 miles. Downstream ending at 37°03'03" / 79°43'49" located 1.7 miles upstream of the 4H Camp.

VA Overall AU Category: **5D**

Use	Impairment	525.04 ACRES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00130	**2006**	**2001**	Category 4A. Lower Blackwater River Bacteria TMDL Study & Allocations US EPA approved 04/27/2001; Fed. ID 1888. SWCB approved 6/17/2004. VAW-L08R-04.

Sources: Livestock (Grazing or Feeding Operations)
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)
Unspecified Domestic Waste
Wildlife Other than Waterfowl

Recreation	**Fecal Coliform**		00130	**1998**	**2001**	Category 4A. Lower Blackwater River Bacteria TMDL Study & Allocations US EPA approved 04/27/2001; Fed. ID 1888. SWCB approved 6/17/2004. VAW-L08R-04.

Sources: Livestock (Grazing or Feeding Operations)
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)
Unspecified Domestic Waste
Wildlife Other than Waterfowl

TMDL Watershed Name: **Bluestone Creek**

TMDL Group ID: **50149**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAC-L77R_BST02A06	**Bluestone Creek**	CHARLOTTE CO MECKLENBURG CO	From its headwaters to Moody Creek

VA Overall AU Category: **5A**

Use	Impairment	8.17 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		50149	**2006**	**2018**	

Sources: Source Unknown

TMDL Watershed Name: **Buffalo Creek**

TMDL Group ID: **50108**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAC-L30R_BHA01A02	**Buffalo Creek**	HALIFAX CO PITTSYLVANIA CO	Buffalo Creek mainstem from its mouth on the Roanoke (Staunton) River upstream to its headwaters.

VA Overall AU Category: **5A**

Use	Impairment	9.03 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		50108	**2006**	**2018**	

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Roanoke and Yadkin River Basins

TMDL Watershed Name: **Buffalo Creek and Unnamed Tributary**

TMDL Group ID: **00291**

VAC-L40R_BNN01A06	Buffalo Creek	CHARLOTTE CO	Unnamed tributary at river mile 2.3 to the Roanoke River.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	2.34	MILES	00291	**2006**	**2016**	

Sources: Source Unknown

TMDL Group ID: **85008**

VAC-L40R_XMC01A06	Unnamed Tributary to Buffalo Creek	CHARLOTTE CO	From its headwaters to the mouth

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	1.49	MILES	85008	**2002**	**2014**	

Sources: Source Unknown

TMDL Watershed Name: **Buffalo Creek, Bluestone Creek, John H. Kerr Reservoir**

TMDL Group ID: **00785**

VAC-L75L_ROA05L98	Kerr Reservoir	HALIFAX CO MECKLENBURG CO	Kerr Reservoir from its backwaters to the Route 58 crossing in Mecklenburg County, excluding the Dan River, Buffalo Creek and Bluestone Creek

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	4350.11	ACRES	00785	**2004**	**2016**	

Sources: Source Unknown

VAC-L76L_BMA01A06	Buffalo Creek	MECKLENBURG CO	Buffalo Creek and Tribs included in the boundaries of Kerr Reservoir

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	361.00	ACRES	00785	**2006**	**2016**	

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Roanoke and Yadkin River Basins

TMDL Watershed Name: **Buffalo Creek, Bluestone Creek, John H. Kerr Reservoir**

TMDL Group ID: **00785**

VAC-L77L_BST01A06	Bluestone Creek	MECKLENBURG CO	Bluestone Creek and Tribs included in the boundaries of Kerr Reservoir

VA Overall AU Category: **5A**

Use	Impairment	887.17 ACRES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		00785	**2004**	**2016**	

Sources: Source Unknown

TMDL Watershed Name: **Buffalo Creek, Upper and Lower**

TMDL Group ID: **50286**

VAW-L27R_BWA01A00	Buffalo Creek Lower	BEDFORD CO CAMPBELL CO	Buffalo Creek mainstem from its mouth on the Big Otter River upstream to the end of the WQS designated public water supply (PWS) Sec. 5j end.

VA Overall AU Category: **5A**

Use	Impairment	1.96 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		50286	**2006**	**2018**	

Sources: Livestock (Grazing or Feeding Operations)
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)
Unspecified Domestic Waste
Wildlife Other than Waterfowl

Recreation	**Fecal Coliform**		50286	**2006**	**2018**	

Sources: Livestock (Grazing or Feeding Operations)
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)
Unspecified Domestic Waste
Wildlife Other than Waterfowl

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Roanoke and Yadkin River Basins

TMDL Watershed Name: **Buffalo Creek, Upper and Lower**

TMDL Group ID: **50286**

VAW-L27R_BWA02A02	Buffalo Creek Upper	BEDFORD CO CAMPBELL CO	Buffalo Creek from the end of the WQS designated public water supply (PWS) section 5j upstream to an unnamed tributary at the Rt. 811 crossing in Campbell County (37° 14' 56"/79° 18' 20").

VA Overall AU Category: **5A**

Use	Impairment	6.14 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		50286	**2006**	**2018**	
		Sources:	Livestock (Grazing or Feeding Operations) On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems) Unspecified Domestic Waste Wildlife Other than Waterfowl			
Recreation	**Fecal Coliform**		50286	**2006**	**2018**	
		Sources:	Livestock (Grazing or Feeding Operations) On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems) Unspecified Domestic Waste Wildlife Other than Waterfowl			

TMDL Watershed Name: **Butcher Creek**

TMDL Group ID: **00780**

VAC-L75R_BHB01A98	Butcher Creek	MECKLENBURG CO	Headwaters to Kerr Reservoir.

VA Overall AU Category: **5A**

Use	Impairment	12.49 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		00780	**2004**	**2016**	
		Sources:	Source Unknown			

TMDL Watershed Name: **Button Creek**

TMDL Group ID: **50114**

VAC-L33R_BTF01A06	Button Creek	CAMPBELL CO	From the headwaters to its mouth

VA Overall AU Category: **5A**

Use	Impairment	7.55 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		50114	**2006**	**2018**	
		Sources:	Source Unknown			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Roanoke and Yadkin River Basins

TMDL Watershed Name: **Byrds Branch**

TMDL Group ID: **00756**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAC-L62R_BYR01A04	**Byrds Branch**	HALIFAX CO	Byrds Branch from its headwaters to the mouth at the Dan River

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	2.98 MILES	00756	**2004**	**2016**	

Sources: Non-Point Source

TMDL Watershed Name: **Cascade Creek**

TMDL Group ID: **50133**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAC-L57R_CAS01A00	**Cascade Creek**	PITTSYLVANIA CO	Cascade Creek mainstem from the VA/NC State Line upstream to its headwaters.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	11.78 MILES	50133	**2006**	**2018**	

Sources: Source Unknown

TMDL Watershed Name: **Catawba Creek**

TMDL Group ID: **50121**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAC-L36R_CBA01A06	**Catawba Creek**	HALIFAX CO	From its headwaters to the mouth

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	7.70 MILES	50121	**2006**	**2018**	

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Roanoke and Yadkin River Basins

TMDL Watershed Name: **Cedar Run**

TMDL Group ID: **50264**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAW-L02R_CDN01A02	**Cedar Run**	MONTGOMERY CO	Cedar Run from its mouth on Wilson Creek upstream to its headwaters.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	3.20 MILES	50264	**2006**	**2010**	Confidence is LOW based on WQS converting from fecal coliform bacteria criterion to E. coli by 2008. Draft Roanoke R. March 2006 Bacteria TMDL Study complete and submitted for EPA approval.

Sources: Municipal (Urbanized High Density Area)

TMDL Watershed Name: **Cherrystone Creek**

TMDL Group ID: **00381**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAC-L66R_CRR01A00	**Cherrystone Creek**	PITTSYLVANIA CO	Cherrystone Creek mainstem from its mouth on the Banister River upstream to the Chatham STP outfall.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	2.60 MILES	00381	**2004**	**2010**	

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAC-L66R_CRR02A00	**Cherrystone Creek**	PITTSYLVANIA CO	Cherrystone Creek mainstem from the Chatham STP outfall upstream to Chatham's water intake.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	3.38 MILES	00381	**1998**	**2010**	

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAC-L66R_CRR03A00	**Cherrystone Creek**	PITTSYLVANIA CO	Cherrystone Creek from the town of Chatham water intake upstream to the Cherrystone Creek Dam.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	2.45 MILES	00381	**1998**	**2010**	

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Roanoke and Yadkin River Basins

TMDL Watershed Name: **Childrey Creek**

TMDL Group ID: **50109**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAC-L30R_CRE01A00	Childrey Creek	HALIFAX CO	Childrey Creek mainstem from its headwaters downstream to the Childrey Creek mouth on the Roanoke (Staunton) River.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	13.38 MILES	50109	**2006**	**2018**	

Sources: Source Unknown

TMDL Watershed Name: **Coleman Creek**

TMDL Group ID: **00774**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAC-L74R_CLB01A06	Coleman Creek	HALIFAX CO	From its headwaters to the confluence with Little Coleman Creek

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	5.45 MILES	00774	**2006**	**2014**	

Sources: Source Unknown

TMDL Watershed Name: **Cox Creek**

TMDL Group ID: **00786**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAC-L78R_COX01A04	Cox Creek	MECKLENBURG CO	Cox Creek from its headawaters to its confluence with Allen Creek

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	10.51 MILES	00786	**2004**	**2016**	

Sources: Source Unknown

TMDL Group ID: **50074**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAC-L78R_COX01A04	Cox Creek	MECKLENBURG CO	Cox Creek from its headawaters to its confluence with Allen Creek

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**	10.51 MILES	50074	**2006**	**2018**	

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Roanoke and Yadkin River Basins

TMDL Watershed Name: **Crazy Horse Camp Ground and Marina**

TMDL Group ID: **00705**

VAW-L12L_XUV01A00	**Crazy Horse Camp Ground and Marina (XUV)**	FRANKLIN CO	Off Route 601, Franklin County, on backwaters of an unnamed tributary (XUV) to Blackwater River in Smith Mountain Lake 37°04'04" / 79°38'54".

VA Overall AU Category: **5A**

Use	Impairment	30.27 ACRES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00705	**2004**	**2016**	
		Sources:	Source Unknown			
Recreation	**Fecal Coliform**		00705	**2004**	**2016**	
		Sources:	Source Unknown			

TMDL Watershed Name: **Cub Creek**

TMDL Group ID: **00290**

VAC-L37R_CUB01A00	**Cub Creek**	CHARLOTTE CO	Big Cub Creek to Terrys Creek.

VA Overall AU Category: **5A**

Use	Impairment	14.12 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00290	**2006**	**2006**	
		Sources:	Source Unknown			

TMDL Group ID: **50122**

VAC-L37R_CUB02A06	**Cub Creek**	CHARLOTTE CO	From Terrys Creek to the mouth at the Roanoke (Staunton) River

VA Overall AU Category: **5A**

Use	Impairment	8.54 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		50122	**2006**	**2018**	
		Sources:	Source Unknown			

TMDL Watershed Name: **Dan River**

TMDL Group ID: **00380**

VAC-L60R_DAN01A00	**Dan River**	PITTSYLVANIA CO	Dan River mainstem from VA/NC State Line downstream to watershed L60R/L62R boundary downstream of the mouth of Mineral Springs Branch.

VA Overall AU Category: **5A**

Use	Impairment	1.85 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00380	**2002**	**2010**	
		Sources:	Source Unknown			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Roanoke and Yadkin River Basins

TMDL Watershed Name: **Dan River**

TMDL Group ID: **00380**

VAC-L62R_DAN02A98 **Dan River** HALIFAX CO Mineral Springs Branch to Route 658 bridge.

VA Overall AU Category: **5A**

Use	Impairment	11.67 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00380	**1998**	**2010**	
		Sources:	Source Unknown			
Recreation	**Fecal Coliform**		00380	**2002**	**2010**	
		Sources:	Source Unknown			

VAC-L62R_DAN03A98 **Dan River** HALIFAX CO Route 658 bridge to Birch Creek.

VA Overall AU Category: **5A**

Use	Impairment	2.73 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00380	**1998**	**2010**	
		Sources:	Source Unknown			
Recreation	**Fecal Coliform**		00380	**2002**	**2010**	
		Sources:	Source Unknown			

VAC-L64R_DAN04A98 **Dan River** HALIFAX CO Birch Creek to South Boston raw water intake location.

VA Overall AU Category: **5A**

Use	Impairment	10.38 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00380	**1998**	**2010**	
		Sources:	Source Unknown			

VAC-L64R_DAN05A98 **Dan River** HALIFAX CO South Boston raw water intake location to Banister River.

VA Overall AU Category: **5A**

Use	Impairment	6.49 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00380	**1998**	**2010**	
		Sources:	Source Unknown			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Roanoke and Yadkin River Basins

TMDL Watershed Name: **Dan River**

TMDL Group ID: **00380**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAC-L73L_DAN07A04	Dan River	HALIFAX CO	Peter Creek Confluence to Roanoke River Confluence (Kerr Reservoir)

VA Overall AU Category: 5A

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	1624.93 ACRES	00380	1998	2010	

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAC-L73R_DAN06A98	Dan River	HALIFAX CO	Dan River from the Banister River (watershed boundary) to the Peter Creek confluence (Kerr Reservoir)

VA Overall AU Category: 5A

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	3.24 MILES	00380	1998	2010	

Sources: Source Unknown

TMDL Group ID: **00533**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAC-L64R_DAN05A98	Dan River	HALIFAX CO	South Boston raw water intake location to Banister River.

VA Overall AU Category: 5A

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	DDE	6.49 MILES	00533	2004	2016	

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAC-L73R_DAN06A98	Dan River	HALIFAX CO	Dan River from the Banister River (watershed boundary) to the Peter Creek confluence (Kerr Reservoir)

VA Overall AU Category: 5A

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	DDE	3.24 MILES	00533	2004	2016	

Sources: Source Unknown

TMDL Group ID: **00538**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAC-L64R_DAN05A98	Dan River	HALIFAX CO	South Boston raw water intake location to Banister River.

VA Overall AU Category: 5A

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	DDT	6.49 MILES	00538	2004	2016	

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Roanoke and Yadkin River Basins

TMDL Watershed Name: **Dan River**

TMDL Group ID: **00538**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAC-L73R_DAN06A98	Dan River	HALIFAX CO	Dan River from the Banister River (watershed boundary) to the Peter Creek confluence (Kerr Reservoir)

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**DDT**	3.24 MILES	00538	**2004**	**2016**	

Sources: Source Unknown

TMDL Group ID: **00548**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAC-L60R_DAN01A00	Dan River	PITTSYLVANIA CO	Dan River mainstem from VA/NC State Line downstream to watershed L60R/L62R boundary downstream of the mouth of Mineral Springs Branch.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	1.85 MILES	00548	**2002**	**2014**	

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAC-L60R_DAN02A00	Dan River	PITTSYLVANIA CO	Dan River mainstem from Danville Northside POTW downstream to VA/NC State Line (exiting Virginia).

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	1.79 MILES	00548	**2006**	**2014**	

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAC-L60R_DAN03A02	Dan River	DANVILLE CITY	Dan River mainstem from the Brantley Steam Plant Dam downstream to the Danville Northside POTW.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.35 MILES	00548	**2006**	**2014**	

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAC-L62R_DAN02A98	Dan River	HALIFAX CO	Mineral Springs Branch to Route 658 bridge.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	11.67 MILES	00548	**2002**	**2014**	

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Roanoke and Yadkin River Basins

TMDL Watershed Name: **Dan River**

TMDL Group ID: **00548**

VAC-L62R_DAN03A98 | **Dan River** | HALIFAX CO | Route 658 bridge to Birch Creek.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	2.73	MILES	00548	**2004**	**2014**	

Sources: Source Unknown

VAC-L64R_DAN04A98 | **Dan River** | HALIFAX CO | Birch Creek to South Boston raw water intake location.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	10.38	MILES	00548	**2002**	**2014**	

Sources: Source Unknown

VAC-L64R_DAN05A98 | **Dan River** | HALIFAX CO | South Boston raw water intake location to Banister River.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	6.49	MILES	00548	**2002**	**2014**	

Sources: Source Unknown

VAC-L73L_DAN07A04 | **Dan River** | HALIFAX CO | Peter Creek Confluence to Roanoke River Confluence (Kerr Reservoir)

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	1624.93	ACRES	00548	**2002**	**2014**	

Sources: Source Unknown

VAC-L73R_DAN06A98 | **Dan River** | HALIFAX CO | Dan River from the Banister River (watershed boundary) to the Peter Creek confluence (Kerr Reservoir)

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	3.24	MILES	00548	**2002**	**2014**	

Sources: Source Unknown

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Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Roanoke and Yadkin River Basins

TMDL Watershed Name: **Dan River**

TMDL Group ID: **50132**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAC-L57R_DAN04A00	**Dan River**	PITTSYLVANIA CO	Dan River mainstem from the downstream most Virginia/North Carolina State Line (exiting Virginia) in Watershed L57R upstream to the Rt. 880 crossing (Virginia/North Carolina State Line entering Virginia).

VA Overall AU Category: **5A**

Use	Impairment	7.78 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		50132	**2006**	**2018**	
		Sources: Source Unknown				
Recreation	**Fecal Coliform**		50132	**2002**	**2018**	
		Sources: Source Unknown				

TMDL Watershed Name: **Dan River, Patrick**

TMDL Group ID: **01705**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAW-L42R_DAN01A00	**Dan River Patrick**	PATRICK CO	Dan River mainstem from the VA/NC State Line upstream to the Squirrel Creek mouth on the Dan River.

VA Overall AU Category: **5C**

Use	Impairment	9.81 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Temperature, water**		01705	**2002**	**2014**	Category 5C
		Sources: Source Unknown				

TMDL Watershed Name: **Double Creek**

TMDL Group ID: **00757**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAC-L62R_DBC01A98	**Double Creek**	HALIFAX CO PITTSYLVANIA CO	Headwaters to Dan River

VA Overall AU Category: **5A**

Use	Impairment	8.28 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		00757	**2002**	**2014**	
		Sources: Non-Point Source				

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Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Roanoke and Yadkin River Basins

TMDL Watershed Name: **Fall Creek**

TMDL Group ID: **00755**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAC-L61R_FAL01A00	**Fall Creek**	PITTSYLVANIA CO	Fall Creek mainstem from its mouth on the Dan River upstream to the mouth of Little Fall Creek.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	2.30 MILES	00755	**2004**	**2016**	
		Sources: Source Unknown				

TMDL Watershed Name: **Falling River**

TMDL Group ID: **50113**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAC-L32R_FRV01A06	**Falling River**	APPOMATTOX CO CAMPBELL CO	Falling River from its headwaters to its confluence with South Fork Falling River

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	17.92 MILES	50113	**2006**	**2018**	
		Sources: Source Unknown				
Recreation	**Fecal Coliform**		50113	**2006**	**2018**	
		Sources: Source Unknown				

TMDL Group ID: **50116**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAC-L34R_FRV04A00	**Falling River**	CAMPBELL CO	WQS public water supply (PWS) section 5c end downstream to mouth of Little Falling River.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	0.85 MILES	50116	**2006**	**2016**	
		Sources: Source Unknown				

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAC-L34R_FRV05A02	**Falling River**	CAMPBELL CO	Falling River from the Molleys Creek mouth downstream to the WQS section 5c public water supply (PWS) end.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	6.56 MILES	50116	**2006**	**2016**	
		Sources: Source Unknown				

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Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Roanoke and Yadkin River Basins

TMDL Watershed Name: **Falling River, South Fork**

TMDL Group ID: **50115**

VAC-L33R_FSF01A06	South Fork Falling River	CAMPBELL CO	From its headwaters to the mouth

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	16.14 MILES	50115	2006	2018	
		Sources: Source Unknown				

TMDL Watershed Name: **Flat Creek**

TMDL Group ID: **50025**

VAC-L79R_FLT01A00	Flat Creek	MECKLENBURG CO	Upstream of the South Hill STP discharge.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	Oxygen, Dissolved	1.69 MILES	50025	2006	2018	
		Sources: Source Unknown				

TMDL Group ID: **50107**

VAC-L29R_FCA01A00	Flat Creek	CAMPBELL CO	Flat Creek mainstem from Yellow Branch's mouth downstream to the Flat Creek mouth on the Big Otter River.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Fecal Coliform	7.46 MILES	50107	2006	2018	
		Sources: Source Unknown				

TMDL Group ID: **50151**

VAC-L79R_FLT01A00	Flat Creek	MECKLENBURG CO	Upstream of the South Hill STP discharge.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	1.69 MILES	50151	2006	2018	
		Sources: Source Unknown				
Recreation	Fecal Coliform		50151	2006	2018	
		Sources: Source Unknown				

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Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Roanoke and Yadkin River Basins

TMDL Watershed Name: **Gills Creek**

TMDL Group ID: **00123**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAW-L12L_GIL02A02	**Gills Creek SML Upper**	FRANKLIN CO	Gills Creek from the end of Route 665 upstream to its backwaters.

VA Overall AU Category: **5D**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	197.42 ACRES	00123	**2004**	**2002**	Category 4A. 12 or more Escherichia coli (E.coli) bacteria samples. Originally 303(d) Listed in 1998 for FC. Gills Creek Bacteria TMDL Study & Allocations U.S. EPA approved on 5/31/2002; Fed ID: 9472. SWCB approved 6/17/2004. VAW-L11R-01.

Sources: Livestock (Grazing or Feeding Operations)
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)
Unspecified Domestic Waste
Wildlife Other than Waterfowl

TMDL Watershed Name: **Goose Creek**

TMDL Group ID: **00706**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAW-L20R_GSE01A00	**Goose Creek**	BEDFORD CO	Goose Creek mainstem from the North and South Fork confluence downstream to the Bore Auger Creek mouth.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	6.79 MILES	00706	**2004**	**2016**	

Sources: Livestock (Grazing or Feeding Operations)
Municipal (Urbanized High Density Area)
Unspecified Domestic Waste
Wastes from Pets
Wildlife Other than Waterfowl

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAW-L21R_GSE01A00	**Goose Creek**	BEDFORD CO	Goose Creek mainstem from the Rocky Branch mouth on downstream to the confluence of Stony Fork Creek.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	7.28 MILES	00706	**2004**	**2016**	

Sources: Livestock (Grazing or Feeding Operations)
Unspecified Domestic Waste
Wastes from Pets
Wildlife Other than Waterfowl

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Roanoke and Yadkin River Basins

TMDL Watershed Name: **Goose Creek**

TMDL Group ID: **00708**

VAW-L20R_GSE01A00 | **Goose Creek** | BEDFORD CO | Goose Creek mainstem from the North and South Fork confluence downstream to the Bore Auger Creek mouth.

VA Overall AU Category: **5A**

Use	Impairment	6.79 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00708	**2006**	**2014**	

Sources: Livestock (Grazing or Feeding Operations)
Municipal (Urbanized High Density Area)
Unspecified Domestic Waste
Wastes from Pets
Wildlife Other than Waterfowl

VAW-L22R_GSE01A00 | **Goose Creek** | BEDFORD CO | Goose Creek mainstem from the Crab Orchard Creek mouth on Goose Creek on downstream to the Goose Creek confluence with the Roanoke (Staunton) River.

VA Overall AU Category: **5A**

Use	Impairment	10.04 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		00708	**2002**	**2014**	

Sources: Livestock (Grazing or Feeding Operations)
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)
Unspecified Domestic Waste
Wastes from Pets
Wildlife Other than Waterfowl

TMDL Watershed Name: **Great Creek**

TMDL Group ID: **00385**

VAC-L80R_GRT01A00 | **Great Creek** | MECKLENBURG CO | Headwaters to Lake Gaston.

VA Overall AU Category: **5A**

Use	Impairment	6.91 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00385	**2006**	**2010**	
		Sources:	Source Unknown			
Recreation	**Fecal Coliform**		00385	**2002**	**2010**	
		Sources:	Source Unknown			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Roanoke and Yadkin River Basins

TMDL Watershed Name: **Green Creek**

TMDL Group ID: **00712**

VAW-L08R_GCR01A00	**Green Creek**	FRANKLIN CO	Green Creek mainstem from its perennial headwaters downstream to the community of Algoma where the South Fork of the Blackwater River begins.

VA Overall AU Category: **5D**

Use	Impairment	3.93 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Temperature, water**		00712	**2002**	**2014**	Category 5C

Sources: Source Unknown

TMDL Watershed Name: **Harpen Creek**

TMDL Group ID: **50501**

VAW-L18R_HPN01A06	**Harpen Creek**	PITTSYLVANIA CO	Harpen Creek from its mouth on the Pigg River upstream to near Climax (36°53'28" / 79°30'30").

VA Overall AU Category: **5A**

Use	Impairment	5.31 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		50501	**2006**	**2018**	

Sources: Livestock (Grazing or Feeding Operations)
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)
Unspecified Domestic Waste
Wildlife Other than Waterfowl

Recreation	**Fecal Coliform**		50501	**2006**	**2018**

Sources: Livestock (Grazing or Feeding Operations)
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)
Unspecified Domestic Waste
Wildlife Other than Waterfowl

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Roanoke and Yadkin River Basins

TMDL Watershed Name: **Horse Pasture Creek**

TMDL Group ID: **01710**

VAW-L47R_HRN01A00 **Horse Pasture Creek Lower** HENRY CO

Horse Pasture mainstem from the ending of the WQS designated public water supply (PWS) section 3f (36°34'59" / 79°59'40") downstream to the Horse Pasture Creek mouth on the North Mayo River.

VA Overall AU Category: **5A**

Use	Impairment (0.45 MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	01710	**2006**	**2016**	
	Sources:	Livestock (Grazing or Feeding Operations) On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems) Unspecified Domestic Waste Wastes from Pets Wildlife Other than Waterfowl			
Recreation	**Fecal Coliform**	01710	**2004**	**2016**	
	Sources:	Livestock (Grazing or Feeding Operations) On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems) Unspecified Domestic Waste Wastes from Pets Wildlife Other than Waterfowl			

VAW-L47R_HRN02A00 **Horse Pasture Creek Middle** HENRY CO

Horse Pasture Creek mainstem from an unnamed tributary mouth East of Route 696 (36°39'38" / 80°00'55") downstream to the upstream ending of WQS PWS section 3f (36°34'59" / 79°59'40").

VA Overall AU Category: **5A**

Use	Impairment (6.82 MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	01710	**2006**	**2016**	
	Sources:	Livestock (Grazing or Feeding Operations) On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems) Unspecified Domestic Waste Wastes from Pets Wildlife Other than Waterfowl			
Recreation	**Fecal Coliform**	01710	**2004**	**2016**	
	Sources:	Livestock (Grazing or Feeding Operations) On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems) Unspecified Domestic Waste Wastes from Pets Wildlife Other than Waterfowl			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Roanoke and Yadkin River Basins

TMDL Watershed Name: **Horsepen Creek**

TMDL Group ID: **00752**

VAC-L39R_HEN01A00	Horsepen Creek	CHARLOTTE CO	Little Horsepen Creek to Reynolds Creek.

VA Overall AU Category: **5A**

Use	Impairment	1.84 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		00752	**2002**	**2014**	
		Sources:	Source Unknown			

TMDL Watershed Name: **Hyco River**

TMDL Group ID: **00775**

VAC-L74R_HYC01A00	Hyco River	HALIFAX CO	Route 738 Bridge to Dan River.

VA Overall AU Category: **5A**

Use	Impairment	5.90 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		00775	**2002**	**2014**	
		Sources:	Source Unknown			

VAC-L74R_HYC02A06	Hyco River	HALIFAX CO	From the VA/NC State Line downstream to the Route 738 Bridge

VA Overall AU Category: **5A**

Use	Impairment	17.27 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00775	**2006**	**2014**	
		Sources:	Source Unknown			
Recreation	**Fecal Coliform**		00775	**2006**	**2014**	
		Sources:	Source Unknown			

TMDL Group ID: **50032**

VAC-L74R_HYC01A00	Hyco River	HALIFAX CO	Route 738 Bridge to Dan River.

VA Overall AU Category: **5A**

Use	Impairment	5.90 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		50032	**2006**	**2014**	
		Sources:	Source Unknown			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Roanoke and Yadkin River Basins

TMDL Watershed Name: **John H. Kerr Reservoir, Roanoke River and Lake Gaston**

TMDL Group ID: **00551**

VAC-L75L_ROA05L98	**Kerr Reservoir**			HALIFAX CO MECKLENBURG CO			Kerr Reservoir from its backwaters to the Route 58 crossing in Mecklenburg County, excluding the Dan River, Buffalo Creek and Bluestone Creek
VA Overall AU Category: **5A**							
Use	Impairment	4350.11 ACRES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule		Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		00551	**2002**	**2014**		
		Sources:	Source Unknown				
VAC-L75L_ROA06L04	**Kerr Reservoir**			MECKLENBURG CO			Kerr Reservoir from the Route 58 crossing to John H. Kerr dam.
VA Overall AU Category: **5A**							
Use	Impairment	26023.10 ACRES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule		Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		00551	**2002**	**2014**		
		Sources:	Source Unknown				
VAC-L76L_BMA01A06	**Buffalo Creek**			MECKLENBURG CO			Buffalo Creek and Tribs included in the boundaries of Kerr Reservoir
VA Overall AU Category: **5A**							
Use	Impairment	361.00 ACRES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule		Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		00551	**2002**	**2014**		
		Sources:	Source Unknown				
VAC-L77L_BST01A06	**Bluestone Creek**			MECKLENBURG CO			Bluestone Creek and Tribs included in the boundaries of Kerr Reservoir
VA Overall AU Category: **5A**							
Use	Impairment	887.17 ACRES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule		Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		00551	**2002**	**2014**		
		Sources:	Source Unknown				
VAC-L78R_ROA06A98	**Roanoke River**			MECKLENBURG CO			Kerr Dam to Route 1 bridge.
VA Overall AU Category: **5A**							
Use	Impairment	5.69 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule		Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		00551	**2004**	**2016**		
		Sources:	Source Unknown				

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Roanoke and Yadkin River Basins

TMDL Watershed Name: **John H. Kerr Reservoir, Roanoke River and Lake Gaston**

TMDL Group ID: **00551**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAC-L79L_ROA07A98	**Roanoke River**	MECKLENBURG CO	Upper portion of Lake Gaston - Route 1 to the confluence of Smith Creek.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	1379.57 ACRES	00551	**2004**	**2016**	

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAC-L80L_ROA08A04	**Lake Gaston**	MECKLENBURG CO	Lower Portion of Lake Gaston on the Roanoke River- Smith Creek confluence downstream to the VA/NC State Line, including coves that enter the mainstem within VA.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	3085.62 ACRES	00551	**2004**	**2016**	

Sources: Source Unknown

TMDL Watershed Name: **Johns Creek**

TMDL Group ID: **00726**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAW-L26R_JHN01A00	**Johns Creek**	BEDFORD CITY BEDFORD CO	Johns Creek mainstem from near its perennial headwaters in Bedford City downstream to the Johns Creek mouth on the Little Otter River.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**	2.13 MILES	00726	**2002**	**2014**	

Sources: Municipal (Urbanized High Density Area)
Sediment Resuspension (Clean Sediment)

TMDL Watershed Name: **Jones Creek, Lower Unnamed Tributary**

TMDL Group ID: **40017**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAW-L53R_XMP01A06	**Jones Creek, UT (XMP) Lower**	FRANKLIN CO MARTINSVILLE CITY	Unnamed tributary to Jones Creek from downstream of the Henry County Landfill to its confluence with Jones Creek.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**	2.04 MILES	40017	**2006**	**2018**	

Sources: Landfills

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Roanoke and Yadkin River Basins

TMDL Watershed Name: **Jordan Creek**

TMDL Group ID: **50291**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAW-L53R_JOR01A06	**Jordan Creek**	HENRY CO	The mainstem waters of Jordan Creek.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	5.77 MILES	50291	**2006**	**2018**	

Sources: Municipal (Urbanized High Density Area)
Unspecified Domestic Waste
Wastes from Pets
Wildlife Other than Waterfowl

TMDL Watershed Name: **Lake Gordon**

TMDL Group ID: **50024**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAC-L79L_MES01L00	**Lake Gordon**	MECKLENBURG CO	On Miles Creek.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	111.84 ACRES	50024	**2006**	**2018**	

Sources: Source Unknown

TMDL Watershed Name: **Lawsons Creek**

TMDL Group ID: **50140**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAC-L64R_LSN01A98	**Lawsons Creek**	HALIFAX CO	Headwaters to Jerimy Creek

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	7.83 MILES	50140	**2006**	**2018**	

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAC-L64R_LSN02A02	**Lawsons Creek**	HALIFAX CO	Jerimy Creek to Dan River

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	7.00 MILES	50140	**2006**	**2018**	

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Roanoke and Yadkin River Basins

TMDL Watershed Name: **Leatherwood Creek**

TMDL Group ID: **00378**

VAW-L56R_LWD01A00 **Leatherwood Creek Lower** HENRY CO

Leatherwood Creek mainstem from its mouth on the Smith River upstream to an unnamed tributary's confluence with Leatherwood approximately 0.1 miles upstream of the Rt. 620 crossing.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	5.45 MILES	00378	**2002**	**2010**	

Sources: Livestock (Grazing or Feeding Operations)
Municipal (Urbanized High Density Area)
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)
Unspecified Domestic Waste
Wastes from Pets
Wildlife Other than Waterfowl

VAW-L56R_LWD02A00 **Leatherwood Creek Middle** HENRY CO

Leatherwood Creek mainstem from an unnamed tributary's confluence with Leatherwood approximately 0.1 miles upstream of the Rt. 620 crossing on upstream to the Martinsville City water intake.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	2.89 MILES	00378	**2002**	**2010**	

Sources: Livestock (Grazing or Feeding Operations)
Municipal (Urbanized High Density Area)
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)
Unspecified Domestic Waste
Wastes from Pets
Wildlife Other than Waterfowl

TMDL Watershed Name: **Leatherwood Creek, Upper**

TMDL Group ID: **50294**

VAW-L56R_LWD03A00 **Leatherwood Creek Upper** HENRY CO

Leatherwood Creek mainstem and tributaries, excluding the West Fork of Leatherwood Creek, from the Martinsville City water intake upstream to its headwaters.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	16.10 MILES	50294	**2006**	**2010**	

Sources: Livestock (Grazing or Feeding Operations)
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)
Unspecified Domestic Waste
Wastes from Pets
Wildlife Other than Waterfowl

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Roanoke and Yadkin River Basins

TMDL Watershed Name: **Leesville Lake - Pigg River**

TMDL Group ID: **00296**

VAW-L13L_PGG01A02	Leesville Lake (Pigg R.)	PITTSYLVANIA CO	Pigg River from its confluence with the Roanoke River in Leesville Lake upstream to its backwaters.

VA Overall AU Category: **5A**

Use	Impairment	157.24 ACRES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00296	**2006**	**2010**	
		Sources:	Livestock (Grazing or Feeding Operations) On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems) Unspecified Domestic Waste Wastes from Pets Wildlife Other than Waterfowl			
Recreation	**Fecal Coliform**		00296	**1998**	**2010**	
		Sources:	Livestock (Grazing or Feeding Operations) On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems) Unspecified Domestic Waste Wastes from Pets Wildlife Other than Waterfowl			

TMDL Watershed Name: **Leesville Lake - Roanoke River**

TMDL Group ID: **50500**

VAW-L13L_ROA01A02	Leesville Lake Lower (Roanoke R.)	CAMPBELL CO PITTSYLVANIA CO	Roanoke River from the mouth of Old Womans Creek downstream to Leesville Dam.

VA Overall AU Category: **5C**

Use	Impairment	403.54 ACRES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		50500	**2002**	**2014**	Category 5C
		Sources:	Changes in Ordinary Stratification and Bottom Water Hypoxia/Anoxia Natural Conditions - Water Quality Standards Use Attainability Analyses Needed			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Roanoke and Yadkin River Basins

TMDL Watershed Name: **Leesville Lake - Roanoke River, Middle**

TMDL Group ID: **50278**

VAW-L13L_ROA02A02	Leesville Lake Middle (Roanoke R.)	BEDFORD CO PITTSYLVANIA CO	Roanoke River from the Pigg River mouth downstream to the Old Womans Creek mouth.

VA Overall AU Category: **5A**

Use	Impairment	1586.64 ACRES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		50278	**2006**	**2018**	Bacteria TMDL Studies for the Pigg R. and Old Womans Creek anticipate completion in Spring 2006.

Sources: Livestock (Grazing or Feeding Operations)
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)
Unspecified Domestic Waste
Wildlife Other than Waterfowl

TMDL Watershed Name: **Little Bluestone Creek**

TMDL Group ID: **00781**

VAC-L77R_LNE01A98	Little Bluestone Creek	MECKLENBURG CO	Fork upstream of Route 696 to Kerr Reservoir.

VA Overall AU Category: **5A**

Use	Impairment	9.43 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00781	**2006**	**2018**	
		Sources: Source Unknown				
Recreation	**Fecal Coliform**		00781	**2004**	**2016**	
		Sources: Source Unknown				

TMDL Watershed Name: **Little Buffalo Creek**

TMDL Group ID: **00778**

VAC-L76R_LFF01A00	Little Buffalo Creek	MECKLENBURG CO	Headwaters to Kerr Reservoir.

VA Overall AU Category: **5A**

Use	Impairment	2.56 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00778	**2004**	**2016**	
		Sources: Package Plant or Other Permitted Small Flows Discharges				
Recreation	**Fecal Coliform**		00778	**2002**	**2014**	
		Sources: Package Plant or Other Permitted Small Flows Discharges				

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Roanoke and Yadkin River Basins

TMDL Watershed Name: **Little Coleman Creek**

TMDL Group ID: **00776**

VAC-L74R_LOL01A06	Little Coleman Creek	HALIFAX CO	From its headwaters to Coleman Creek

VA Overall AU Category: **5A**

Use	Impairment	3.44 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		00776	**2002**	**2014**	

Sources: Source Unknown

TMDL Watershed Name: **Little Creek**

TMDL Group ID: **00713**

VAW-L08R_LLE01A00	Little Creek Lower	FRANKLIN CO	Little Creek mainstem from an unnamed tributary's mouth on Little Creek off Rt. 775 downstream to the Little Creek confluence with the Blackwater River.

VA Overall AU Category: **5D**

Use	Impairment	1.84 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		00713	**2002**	**2014**	

Sources: Livestock (Grazing or Feeding Operations)
Loss of Riparian Habitat
Sediment Resuspension (Clean Sediment)
Streambank Modifications/destablization

VAW-L08R_LLE02A00	Little Creek Middle	FRANKLIN CO	Little Creek mainstem from the mouth of Teels Creek downstream to an unnamed tributary off Rt. 775.

VA Overall AU Category: **5D**

Use	Impairment	0.83 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		00713	**2002**	**2014**	

Sources: Livestock (Grazing or Feeding Operations)
Loss of Riparian Habitat
Sediment Resuspension (Clean Sediment)
Streambank Modifications/destablization

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Roanoke and Yadkin River Basins

TMDL Watershed Name: **Little Creek**

TMDL Group ID: **00713**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAW-L08R_LLE03A00	**Little Creek Upper**	FRANKLIN CO	Little Creek mainstem headwaters west of the Helm community off Rt. 693 downstream to the mouth of Teels Creek.

VA Overall AU Category: **5D**

Use	Impairment	4.94 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		00713	**2002**	**2014**	

Sources: Livestock (Grazing or Feeding Operations)
Loss of Riparian Habitat
Sediment Resuspension (Clean Sediment)
Streambank Modifications/destablization

TMDL Group ID: **30102**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAW-L08R_LLE01A00	**Little Creek Lower**	FRANKLIN CO	Little Creek mainstem from an unnamed tributary's mouth on Little Creek off Rt. 775 downstream to the Little Creek confluence with the Blackwater River.

VA Overall AU Category: **5D**

Use	Impairment	1.84 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		30102	**2004**	**2001**	Category 4A. 12 or more Escherichia coli (E.coli) bacteria samples. Originally 303(d) Listed in 2002 for FC. Middle Blackwater River Bacteria TMDL Study U.S. EPA approved on 12/04/2001; Fed. ID 1887(1889)/9633. SWCB approved 6/17/2004. Bacteria Implementation Plan SWCB approved 6/17/2004. VAW-L08R-05.

Sources: Livestock (Grazing or Feeding Operations)
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)
Unspecified Domestic Waste
Wildlife Other than Waterfowl

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAW-L08R_LLE02A00	**Little Creek Middle**	FRANKLIN CO	Little Creek mainstem from the mouth of Teels Creek downstream to an unnamed tributary off Rt. 775.

VA Overall AU Category: **5D**

Use	Impairment	0.83 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		30102	**2004**	**2001**	Category 4A. 12 or more Escherichia coli (E.coli) bacteria samples. Originally 303(d) Listed in 2002 for FC. Middle Blackwater River Bacteria TMDL Study U.S. EPA approved on 12/04/2001; Fed. ID 1887(1889)/9633. SWCB approved 6/17/2004. Bacteria Implementation Plan SWCB approved 6/17/2004. VAW-L08R-05.

Sources: Livestock (Grazing or Feeding Operations)
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)
Unspecified Domestic Waste
Wildlife Other than Waterfowl

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Roanoke and Yadkin River Basins

TMDL Watershed Name: **Little Creek**

TMDL Group ID: **30102**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAW-L08R_LLE03A00	**Little Creek Upper**	FRANKLIN CO	Little Creek mainstem headwaters west of the Helm community off Rt. 693 downstream to the mouth of Teels Creek.

VA Overall AU Category: **5D**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	4.94 MILES	30102	**2004**	**2001**	Category 4A. 12 or more Escherichia coli (E.coli) bacteria samples. Originally 303(d) Listed in 2002 for FC. Middle Blackwater River Bacteria TMDL Study U.S. EPA approved on 12/04/2001; Fed. ID 1887(1889)/9633. SWCB approved 6/17/2004. Bacteria Implementation Plan SWCB approved 6/17/2004. VAW-L08R-05.

Sources: Livestock (Grazing or Feeding Operations)
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)
Unspecified Domestic Waste
Wildlife Other than Waterfowl

TMDL Watershed Name: **Little Cub Creek**

TMDL Group ID: **50125**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAC-L37R_LUB01A06	**Little Cub Creek**	CHARLOTTE CO	From its headwaters downstream to its confluence with Cub Creek

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	8.75 MILES	50125	**2006**	**2018**	

Sources: Source Unknown

TMDL Watershed Name: **Little Falling River**

TMDL Group ID: **50117**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAC-L34R_LRV01A00	**Little Falling River**	CAMPBELL CO	Little Falling River mainstem from the WQS designated public water supply (PWS) upstream end downstream to its mouth on Falling River.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	0.79 MILES	50117	**2006**	**2018**	

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Roanoke and Yadkin River Basins

TMDL Watershed Name: **Little Falling River**

TMDL Group ID: **50117**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAC-L34R_LRV02A06	**Little Falling River**	CAMPBELL CO	From the PWS WQS Section 5c to its confluence with Jacobs Creek

VA Overall AU Category: **5A**

Use	Impairment	8.54 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		50117	**2006**	**2018**	

Sources: Source Unknown

TMDL Watershed Name: **Little Otter River**

TMDL Group ID: **00119**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAW-L26R_LOR01A00	**Little Otter River Lower 1**	BEDFORD CO	Little Otter River mainstem from the mouth of Machine Creek downstream to the Little Otter River confluence with the Big Otter River.

VA Overall AU Category: **5D**

Use	Impairment	4.46 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		00119	**1996**	**2001**	Category 4A. Little Otter River Bacteria TMDL Study & Allocations U.S. EPA approved on 02/02/2001; Fed. ID 1547/9486. SWCB approved 6/17/2004. VAW-L26R-01.

Sources: Livestock (Grazing or Feeding Operations)
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)
Unspecified Domestic Waste
Wildlife Other than Waterfowl

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAW-L26R_LOR02A00	**Little Otter River Lower 2**	BEDFORD CO	Little Otter River mainstem from the mouth of Poorhouse Creek downstream to the mouth of Machine Creek.

VA Overall AU Category: **5D**

Use	Impairment	4.18 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		00119	**1996**	**2001**	Category 4A. Little Otter River Bacteria TMDL Study & Allocations U.S. EPA approved on 02/02/2001; Fed. ID 1547/9486. SWCB approved 6/17/2004. VAW-L26R-01.

Sources: Livestock (Grazing or Feeding Operations)
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)
Unspecified Domestic Waste
Wildlife Other than Waterfowl

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Roanoke and Yadkin River Basins

TMDL Watershed Name: **Little Otter River**

TMDL Group ID: **00119**

VAW-L26R_LOR03A00 **Little Otter River Middle 1** BEDFORD CO Little Otter River mainstem from the Bedford City POTW downstream to mouth of Poorhouse Creek.

VA Overall AU Category: **5D**

Use	Impairment	5.72 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		00119	**1996**	**2001**	Category 4A. Little Otter River Bacteria TMDL Study & Allocations U.S. EPA approved on 02/02/2001; Fed. ID 1547/9486. SWCB approved 6/17/2004. VAW-L26R-01.

Sources: Livestock (Grazing or Feeding Operations)
Municipal (Urbanized High Density Area)
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)
Unspecified Domestic Waste
Wildlife Other than Waterfowl

TMDL Group ID: **00727**

VAW-L26R_LOR03A00 **Little Otter River Middle 1** BEDFORD CO Little Otter River mainstem from the Bedford City POTW downstream to mouth of Poorhouse Creek.

VA Overall AU Category: **5D**

Use	Impairment	5.72 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		00727	**2002**	**2014**	

Sources: Municipal (Urbanized High Density Area)
Municipal Point Source Discharges

TMDL Group ID: **30003**

VAW-L26R_LOR01A00 **Little Otter River Lower 1** BEDFORD CO Little Otter River mainstem from the mouth of Machine Creek downstream to the Little Otter River confluence with the Big Otter River.

VA Overall AU Category: **5D**

Use	Impairment	4.46 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		30003	**2002**	**2014**	

Sources: Source Unknown

VAW-L26R_LOR02A00 **Little Otter River Lower 2** BEDFORD CO Little Otter River mainstem from the mouth of Poorhouse Creek downstream to the mouth of Machine Creek.

VA Overall AU Category: **5D**

Use	Impairment	4.18 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		30003	**2002**	**2014**	

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Roanoke and Yadkin River Basins

TMDL Watershed Name: **Little Otter River**

TMDL Group ID: **30003**

VAW-L26R_LOR03A00	Little Otter River Middle 1	BEDFORD CO	Little Otter River mainstem from the Bedford City POTW downstream to mouth of Poorhouse Creek.

VA Overall AU Category: **5D**

Use	Impairment	5.72 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		30003	**2002**	**2014**	

Sources: Source Unknown

TMDL Watershed Name: **Little Straightstone Creek**

TMDL Group ID: **50112**

VAC-L30R_LHT01A06	Little Straightstone Creek	PITTSYLVANIA CO	Little Straightstone Creek from its headwaters to the mouth

VA Overall AU Category: **5A**

Use	Impairment	7.35 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		50112	**2006**	**2018**	

Sources: Source Unknown

TMDL Watershed Name: **Louse Creek**

TMDL Group ID: **50123**

VAC-L37R_LOU01A06	Louse Creek	CHARLOTTE CO	From its headwaters to the mouth

VA Overall AU Category: **5A**

Use	Impairment	8.45 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		50123	**2006**	**2018**	

Sources: Source Unknown

TMDL Watershed Name: **Lovills Creek, Lower**

TMDL Group ID: **01717**

VAW-M02R_LOV01A02	Lovills Creek Lower	CARROLL CO	Lovills Creek mainstem from the VA /NC State Line upstream to just above the Rt. 686 crossing.

VA Overall AU Category: **5C**

Use	Impairment	1.79 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Temperature, water**		01717	**2002**	**2014**	Category 5C

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Roanoke and Yadkin River Basins

TMDL Watershed Name: **Maggodee Creek**

TMDL Group ID: **00715**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAW-L09R_MEE01A00	**Maggodee Creek Lower**	FRANKLIN CO	Maggodee Creek mainstem from Piedmont Mill Dam downstream to the mouth of Maggodee Creek on the Blackwater River.

VA Overall AU Category: **5D**

Use	Impairment	7.38 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		00715	**2002**	**2014**	

Sources: Livestock (Grazing or Feeding Operations)
Loss of Riparian Habitat
Sediment Resuspension (Clean Sediment)

TMDL Watershed Name: **Maggodee Creek and Mollie Branch**

TMDL Group ID: **00125**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAW-L09R_MEE01A00	**Maggodee Creek Lower**	FRANKLIN CO	Maggodee Creek mainstem from Piedmont Mill Dam downstream to the mouth of Maggodee Creek on the Blackwater River.

VA Overall AU Category: **5D**

Use	Impairment	7.38 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00125	**2004**	**2001**	Category 4A. 12 or more Escherichia coli (E.coli) bacteria samples. Originally 303(d) Listed in 1996 for FC. Maggoddee Creek Bacteria TMDL Study & Allocations U.S. EPA approved 4/27/2001; Fed. ID 1562/9475. SWCB approved 6/17/2004. VAW-L09R-01.

Sources: Livestock (Grazing or Feeding Operations)
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)
Unspecified Domestic Waste
Wildlife Other than Waterfowl

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Roanoke and Yadkin River Basins

TMDL Watershed Name: **Marrowbone Creek, Lower**

TMDL Group ID: **00376**

VAW-L55R_MRR01A00	Marrowbone Creek Lower	HENRY CO	Marrowbone Creek mainstem from its mouth on the Smith River upstream to the Henry County PSA Water Treatment Plant.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	4.33 MILES	00376	**2002**	**2010**	

Sources: Livestock (Grazing or Feeding Operations)
Municipal (Urbanized High Density Area)
Unspecified Domestic Waste
Wastes from Pets
Wildlife Other than Waterfowl

TMDL Watershed Name: **Martinsville Reservoir**

TMDL Group ID: **50050**

VAW-L53L_BAU01A02	Martinsville Reservoir	HENRY CO	Martinsville Reservoir on Beaver Creek from its impounding structure upstream to its backwaters.

VA Overall AU Category: **5C**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**	117.70 ACRES	50050	**2006**	**2018**	Category 5C

Sources: Source Unknown

TMDL Watershed Name: **Mason Creek - Lower**

TMDL Group ID: **50272**

VAW-L04R_MSN01A00	Mason Creek Lower	ROANOKE CO SALEM CITY	Mason Creek mainstem from its confluence with the Roanoke River upstream to near the Mason Cove Community.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	7.61 MILES	50272	**2006**	**2014**	12 or more Escherichia coli (E.coli) bacteria samples.

Sources: Discharges from Municipal Separate Storm Sewer Systems (MS4)
Municipal (Urbanized High Density Area)
Sanitary Sewer Overflows (Collection System Failures)
Wastes from Pets
Wildlife Other than Waterfowl

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Roanoke and Yadkin River Basins

TMDL Watershed Name: **Miry Creek**

TMDL Group ID: **50141**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAC-L64R_MRY01A04	**Miry Creek**	HALIFAX CO	Miry Creek from the Mikes Creek confluence to the Dan River

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	1.07 MILES	50141	**2006**	**2018**	

Sources: Source Unknown

TMDL Watershed Name: **Mollys Creek**

TMDL Group ID: **50119**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAC-L35R_MEY01A00	**Mollys Creek**	CAMPBELL CO	Mollys Creek mainstem from its perennial headwaters downstream to the reservoir backwaters

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	1.81 MILES	50119	**2006**	**2016**	

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAC-L35R_MEY02A06	**Mollys Creek**	CAMPBELL CO	From the reservoir dam to the mouth at Falling River

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	15.13 MILES	50119	**2006**	**2016**	

Sources: Source Unknown

TMDL Watershed Name: **Mud Lick Creek**

TMDL Group ID: **40115**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAW-L04R_MDL01A06	**Mud Lick Creek**	ROANOKE CITY SALEM CITY	Mud Lick Creek from its confluence on the Roanoke River upstream to its headwaters.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	6.85 MILES	40115	**2006**	**2018**	

Sources: Discharges from Municipal Separate Storm Sewer Systems (MS4)
Municipal (Urbanized High Density Area)
Sanitary Sewer Overflows (Collection System Failures)
Wastes from Pets
Wildlife Other than Waterfowl

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Roanoke and Yadkin River Basins

TMDL Watershed Name: **Murray Run**

TMDL Group ID: **00702**

VAW-L04R_MUR01A00	Murray Run	ROANOKE CITY ROANOKE CO	Murray Run mainstem from its headwaters to its mouth on the Roanoke River.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	3.23 MILES	00702	**2004**	**2016**	

Sources: Discharges from Municipal Separate Storm Sewer Systems (MS4)
Municipal (Urbanized High Density Area)
Sanitary Sewer Overflows (Collection System Failures)
Wastes from Pets
Wildlife Other than Waterfowl

TMDL Watershed Name: **North Mayo River, Upper and Lower**

TMDL Group ID: **01709**

VAW-L46R_NMR01A00	North Mayo River Lower 1	HENRY CO	North Mayo River mainstem from the Horse Pasture Creek mouth downstream to VA/NC State Line.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	4.38 MILES	01709	**2004**	**2016**	

Sources: Livestock (Grazing or Feeding Operations)
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)
Unspecified Domestic Waste
Wastes from Pets
Wildlife Other than Waterfowl

VAW-L46R_NMR02A00	North Mayo River Lower 2	HENRY CO	North Mayo River mainstem from the upper end of the WQS designated public water supply (PWS) section 3f (36° 34' 25" / 79° 59' 34") downstream to the Horse Pasture Creek mouth.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	0.77 MILES	01709	**2004**	**2016**	

Sources: Livestock (Grazing or Feeding Operations)
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)
Unspecified Domestic Waste
Wastes from Pets
Wildlife Other than Waterfowl

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Roanoke and Yadkin River Basins

TMDL Watershed Name: **North Mayo River, Upper and Lower**

TMDL Group ID: **01709**

VAW-L46R_NMR03A00 **North Mayo River Upper 1** HENRY CO

North Mayo River mainstem from the first upstream (RF3) unnamed tributary downstream to the WQS designated public water supply (PWS) section 3f (36° 34' 25" / 79° 59' 34").

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	5.10 MILES	01709	**2004**	**2016**	

Sources: Livestock (Grazing or Feeding Operations)
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)
Unspecified Domestic Waste
Wastes from Pets
Wildlife Other than Waterfowl

VAW-L46R_NMR04A00 **North Mayo River Upper 2** HENRY CO

North Mayo River mainstem from the Kroger Creek mouth downstream to the first upstream (RF3) unnamed tributary (36°35'43" / 80°01'44").

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	2.69 MILES	01709	**2004**	**2016**	

Sources: Livestock (Grazing or Feeding Operations)
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)
Unspecified Domestic Waste
Wastes from Pets
Wildlife Other than Waterfowl

VAW-L46R_NMR05A02 **North Mayo River Upper 3** PATRICK CO

North Mayo River mainstem from the confluence of Laurel Branch and Polebridge Creek downstream to the mouth of Kroger Creek.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	9.52 MILES	01709	**2004**	**2016**	

Sources: Livestock (Grazing or Feeding Operations)
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)
Unspecified Domestic Waste
Wastes from Pets
Wildlife Other than Waterfowl

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Roanoke and Yadkin River Basins

TMDL Watershed Name: **Old Womans Creek**

TMDL Group ID: **00297**

VAW-L13R_OWC01A00	Old Womans Creek	PITTSYLVANIA CO	Old Womans Creek mainstem perennial headwaters downstream to its inundation at Leesville Lake.

VA Overall AU Category: **5A**

Use	Impairment	4.86 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00297	**2006**	**2010**	The 1999 Federal Consent Decree includes 4AOWC005.36 as an Attachment B station.
		Sources:	Livestock (Grazing or Feeding Operations) On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems) Unspecified Domestic Waste Wildlife Other than Waterfowl			
Recreation	**Fecal Coliform**		00297	**2002**	**2010**	The 1999 Federal Consent Decree includes 4AOWC005.36 as an Attachment B station.
		Sources:	Livestock (Grazing or Feeding Operations) On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems) Unspecified Domestic Waste Wildlife Other than Waterfowl			

TMDL Watershed Name: **Ore Branch**

TMDL Group ID: **00294**

VAW-L04R_ORE01A00	Ore Branch	ROANOKE CITY ROANOKE CO	Ore Branch mainstem headwaters near Hunting Hills downstream to its confluence with the Roanoke River.

VA Overall AU Category: **5A**

Use	Impairment	2.42 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00294	**2006**	**2010**	12 or more Escherichia coli (E.coli) bacteria samples.
		Sources:	Discharges from Municipal Separate Storm Sewer Systems (MS4) Municipal (Urbanized High Density Area) Sanitary Sewer Overflows (Collection System Failures) Wastes from Pets Wildlife Other than Waterfowl			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Roanoke and Yadkin River Basins

TMDL Watershed Name: **Peters Creek - Upper and Lower**

TMDL Group ID: **50273**

VAW-L04R_PEE01A02 **Peters Creek Lower** ROANOKE CITY Peters Creek mainstem from its confluence with the Roanoke River upstream to the Melrose Avenue Bridge (Rt. 11/460).

VA Overall AU Category: **5A**

Use	Impairment	2.53 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		50273	**2006**	**2014**	12 or more Escherichia coli (E.coli) bacteria samples.

Sources: Discharges from Municipal Separate Storm Sewer Systems (MS4)
Municipal (Urbanized High Density Area)
Unspecified Domestic Waste
Wastes from Pets
Wildlife Other than Waterfowl

VAW-L04R_PEE02A02 **Peters Creek Upper** ROANOKE CITY ROANOKE CO Peters Creek mainstem from from the Melrose Avenue Bridge (Rt. 11/460) upstream to its headwaters.

VA Overall AU Category: **5A**

Use	Impairment	4.64 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		50273	**2006**	**2014**	12 or more Escherichia coli (E.coli) bacteria samples.

Sources: Discharges from Municipal Separate Storm Sewer Systems (MS4)
Municipal (Urbanized High Density Area)
Unspecified Domestic Waste
Wastes from Pets
Wildlife Other than Waterfowl

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Roanoke and Yadkin River Basins

TMDL Watershed Name: **Pigg River, Lower**

TMDL Group ID: **50284**

VAW-L16R_PGG01A00 **Pigg River Lower** FRANKLIN CO, PITTSYLVANIA CO — Pigg River mainstem from the mouth of Dinner Creek downstream to the mouth of Snow Creek on the Pigg River.

VA Overall AU Category: **5A**

Use	Impairment	6.59 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		50284	**2006**	**2014**	
		Sources:	Livestock (Grazing or Feeding Operations) On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems) Unspecified Domestic Waste Wastes from Pets Wildlife Other than Waterfowl			
Recreation	**Fecal Coliform**		50284	**2002**	**2014**	
		Sources:	Livestock (Grazing or Feeding Operations) On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems) Unspecified Domestic Waste Wastes from Pets Wildlife Other than Waterfowl			

VAW-L16R_PGG02A00 **Pigg River Upper** FRANKLIN CO — Pigg River mainstem from the Big Chestnut Creek mouth downstream to the mouth of Dinner Creek on the Pigg River.

VA Overall AU Category: **5A**

Use	Impairment	8.95 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		50284	**2006**	**2014**	
		Sources:	Livestock (Grazing or Feeding Operations) On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems) Unspecified Domestic Waste Wastes from Pets Wildlife Other than Waterfowl			
Recreation	**Fecal Coliform**		50284	**2002**	**2014**	
		Sources:	Livestock (Grazing or Feeding Operations) On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems) Unspecified Domestic Waste Wastes from Pets Wildlife Other than Waterfowl			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Roanoke and Yadkin River Basins

TMDL Watershed Name: **Pigg River, Lower**

TMDL Group ID: **50284**

VAW-L18R_PGG01A00 **Pigg River Lower** PITTSYLVANIA CO Pigg River mainstem from the Potters Creek mouth downstream to backwaters of Leesville Lake.

VA Overall AU Category: **5A**

Use	Impairment	3.23 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		50284	**2006**	**2010**	12 or more Escherichia coli (E.coli) bacteria samples.

Sources: Livestock (Grazing or Feeding Operations)
Unspecified Domestic Waste
Wastes from Pets
Wildlife Other than Waterfowl

VAW-L18R_PGG02A00 **Pigg River Upper** PITTSYLVANIA CO Pigg River mainstem from the mouth of Snow Creek downstream to the mouth of Potters Creek on the Pigg River.

VA Overall AU Category: **5A**

Use	Impairment	10.15 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		50284	**2006**	**2010**	

Sources: Livestock (Grazing or Feeding Operations)
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)
Unspecified Domestic Waste
Wastes from Pets
Wildlife Other than Waterfowl

Recreation	**Fecal Coliform**		50284	**1998**	**2010**	

Sources: Livestock (Grazing or Feeding Operations)
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)
Unspecified Domestic Waste
Wastes from Pets
Wildlife Other than Waterfowl

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Roanoke and Yadkin River Basins

TMDL Watershed Name: **Pigg River, Upper**

TMDL Group ID: **00300**

VAW-L14R_DOE01A06 **Doe Run** FRANKLIN CO

Doe Run mainstem from its mouth on the Pigg River upstream to its headwaters.

VA Overall AU Category: **5A**

Use	Impairment	5.42 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		00300	**2006**	**2010**	Added to VAW-L14R-01

Sources: Livestock (Grazing or Feeding Operations)
Unspecified Domestic Waste
Wastes from Pets
Wildlife Other than Waterfowl

VAW-L14R_PGG02A00 **Pigg River Middle 1** FRANKLIN CO

Pigg River mainstem from the town of Rocky Mount STP downstream to an unnamed tributary confluence on the Pigg River.

VA Overall AU Category: **5A**

Use	Impairment	10.88 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		00300	**1996**	**2010**	

Sources: Livestock (Grazing or Feeding Operations)
Municipal (Urbanized High Density Area)
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)
Unspecified Domestic Waste
Wildlife Other than Waterfowl

VAW-L14R_PGG03A00 **Pigg River Middle 2** FRANKLIN CO

Pigg River mainstem from just downstream of the Rt. 220 Business Bridge on downstream to the Town of Rocky Mount STP.

VA Overall AU Category: **5A**

Use	Impairment	5.00 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00300	**2006**	**2010**	

Sources: Livestock (Grazing or Feeding Operations)
Municipal (Urbanized High Density Area)
Unspecified Domestic Waste
Wastes from Pets
Wildlife Other than Waterfowl

Recreation	**Fecal Coliform**		00300	**1996**	**2010**	

Sources: Livestock (Grazing or Feeding Operations)
Municipal (Urbanized High Density Area)
Unspecified Domestic Waste
Wastes from Pets
Wildlife Other than Waterfowl

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Roanoke and Yadkin River Basins

TMDL Watershed Name: **Pigg River, Upper**

TMDL Group ID: **00300**

VAW-L14R_PGG04A00 **Pigg River Middle 3** FRANKLIN CO Pigg River mainstem from the Storey Creek mouth on down to just downstream of the Rt. 220 Business Bridge.

VA Overall AU Category: **5A**

Use	Impairment	5.80 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00300	**2006**	**2010**	
		Sources:	Livestock (Grazing or Feeding Operations) On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems) Unspecified Domestic Waste Wastes from Pets Wildlife Other than Waterfowl			
Recreation	**Fecal Coliform**		00300	**1996**	**2010**	
		Sources:	Livestock (Grazing or Feeding Operations) Municipal (Urbanized High Density Area) On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems) Unspecified Domestic Waste Wastes from Pets Wildlife Other than Waterfowl			

VAW-L14R_PGG05A02 **Pigg River Upper 1** FRANKLIN CO Pigg River mainstem from the confluence of the South Prong Pigg River downstream to the mouth of Storey Creek.

VA Overall AU Category: **5A**

Use	Impairment	13.38 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00300	**2006**	**2010**	
		Sources:	Livestock (Grazing or Feeding Operations) On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems) Unspecified Domestic Waste Wildlife Other than Waterfowl			
Recreation	**Fecal Coliform**		00300	**2004**	**2010**	
		Sources:	Livestock (Grazing or Feeding Operations) On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems) Unspecified Domestic Waste Wildlife Other than Waterfowl			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Roanoke and Yadkin River Basins

TMDL Watershed Name: **Polecat Creek**

TMDL Group ID: **50144**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAC-L71R_PEC01A04	**Polecat Creek**	HALIFAX CO	Polecat Creek from its headwaters to the mouth at the Banister River

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	9.62 MILES	50144	**2006**	**2018**	

Sources: Source Unknown

TMDL Watershed Name: **Poplar Creek**

TMDL Group ID: **50075**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAC-L81R_POB01A00	**Poplar Creek**	BRUNSWICK CO	Main Creek to Lake Gaston.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**	3.41 MILES	50075	**2006**	**2018**	

Sources: Source Unknown

TMDL Watershed Name: **Pumpkin Creek**

TMDL Group ID: **50137**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAC-L60R_PKP01A06	**Pumpkin Creek**	DANVILLE CITY PITTSYLVANIA CO	From the VA/NC line to the mouth on the Dan River

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	3.94 MILES	50137	**2006**	**2018**	

Sources: Source Unknown

TMDL Watershed Name: **Rennet Bag Creek**

TMDL Group ID: **01716**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAW-L51R_RBC01A00	**Rennet Bag Creek Class V**	FRANKLIN CO	Rennet Bag Creek mainstem from its inundation at Philpott Reservoir upstream to the confluence of Long Branch.

VA Overall AU Category: **5C**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Temperature, water**	2.12 MILES	01716	**2002**	**2014**	Category 5C

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Roanoke and Yadkin River Basins

TMDL Watershed Name: **Rennet Bag Creek**

TMDL Group ID: **01716**

VAW-L51R_RBC02A02	**Rennet Bag Creek Class VI**	FLOYD CO FRANKLIN CO	Rennet Bag Creek mainstem from the confluence of Long Branch upstream to its headwaters.

VA Overall AU Category: **5C**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Temperature, water**	9.04 MILES	01716	**2002**	**2014**	Category 5C

Sources: Source Unknown

TMDL Watershed Name: **Roanoke Creek**

TMDL Group ID: **50126**

VAC-L39R_ROC02A06	**Roanoke Creek**	CHARLOTTE CO	From Horsepen Creek to the mouth at the Roanoke (Staunton) River

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	2.67 MILES	50126	**2006**	**2018**	

Sources: Source Unknown

TMDL Watershed Name: **Roanoke River**

TMDL Group ID: **00292**

VAW-L12L_ROA04A02	**Roanoke River SML Upper**	BEDFORD CO FRANKLIN CO	Roanoke River from the Back Creek confluence downstream to the mouth of Falling Creek.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	350.06 ACRES	00292	**2006**	**2010**	Draft Roanoke R. March 2006 Bacteria TMDL Study complete and submitted for EPA approval.

Sources: Municipal (Urbanized High Density Area)
Sanitary Sewer Overflows (Collection System Failures)

Recreation	**Fecal Coliform**		00292	**1998**	**2010**	Draft Roanoke R. March 2006 Bacteria TMDL Study complete and submitted for EPA approval.

Sources: Municipal (Urbanized High Density Area)
Sanitary Sewer Overflows (Collection System Failures)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Roanoke and Yadkin River Basins

TMDL Watershed Name: **Roanoke River**

TMDL Group ID: **00293**

VAW-L04R_ROA03A00 **Roanoke River Niagara 2** ROANOKE CO

Roanoke River mainstem from near the backwaters of the Niagara Impoundment upstream to the end of the WQS designated public water supply (PWS section 6i) segment. The upstream ending of the PWS segment from SML 795 ft. pool elevation.

VA Overall AU Category: **5D**

Use	Impairment	0.86 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		00293	**1996**	**2006**	Category 4A. Roanoke R. General Standard - Benthic (Sediment) TMDL Study complete and US EPA approved May 2006 (Fed. ID - NA). VAW-L04R-01.

Sources: Discharges from Municipal Separate Storm Sewer Systems (MS4)
Drought-related Impacts
Municipal (Urbanized High Density Area)
Sediment Resuspension (Contaminated Sediment)

VAW-L04R_ROA04A00 **Roanoke River Downstream of Tinker Creek** ROANOKE CO

Roanoke R. mainstem from near the backwaters of Niagara Impoundment upstream to the Tinker Creek confluence on the Roanoke River (section 6). The upstream ending of the WQS designated public water supply (PWS) segment from SML 795 ft. pool elevation.

VA Overall AU Category: **5D**

Use	Impairment	0.25 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		00293	**1996**	**2006**	Category 4A. Roanoke R. General Standard - Benthic (Sediment) TMDL Study complete and US EPA approved May 2006 (Fed. ID - NA). VAW-L04R-01.

Sources: Discharges from Municipal Separate Storm Sewer Systems (MS4)
Drought-related Impacts
Municipal (Urbanized High Density Area)
Sediment Resuspension (Contaminated Sediment)

VAW-L04R_ROA05A00 **Roanoke River Upstream of Tinker Creek** ROANOKE CITY ROANOKE CO

Roanoke River mainstem from the Western Virginia Water Authority Roanoke Regional Water Pollution Control Plant downstream to the Tinker Creek confluence (WQS section 6).

VA Overall AU Category: **5D**

Use	Impairment	0.35 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		00293	**1996**	**2006**	Category 4A. Roanoke R. General Standard - Benthic (Sediment) TMDL Study complete and US EPA approved May 2006 (Fed. ID - NA). VAW-L04R-01.

Sources: Discharges from Municipal Separate Storm Sewer Systems (MS4)
Drought-related Impacts
Municipal (Urbanized High Density Area)
Sediment Resuspension (Contaminated Sediment)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Roanoke and Yadkin River Basins

TMDL Watershed Name: **Roanoke River**

TMDL Group ID: **00293**

VAW-L04R_ROA06A00 **Roanoke River Middle** ROANOKE CITY

Roanoke River mainstem from the Murray Run mouth downstream to the Western Virginia Water Authority Roanoke Regional Water Pollution Control Plant.

VA Overall AU Category: **5D**

Use	Impairment	4.34 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		00293	**1996**	**2006**	Category 4A. Roanoke R. General Standard - Benthic (Sediment) TMDL Study complete and US EPA approved May 2006 (Fed. ID - NA). VAW-L04R-01.

Sources: Discharges from Municipal Separate Storm Sewer Systems (MS4)
Drought-related Impacts
Municipal (Urbanized High Density Area)
Sediment Resuspension (Contaminated Sediment)

VAW-L04R_ROA07A00 **Roanoke River Upper** ROANOKE CITY

Roanoke River mainstem from the Peters Creek mouth downstream to the Murray Run confluence on the Roanoke River.

VA Overall AU Category: **5D**

Use	Impairment	3.32 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		00293	**1996**	**2006**	Category 4A. Roanoke R. General Standard - Benthic (Sediment) TMDL Study complete and US EPA approved May 2006 (Fed. ID - NA). VAW-L04R-01.

Sources: Discharges from Municipal Separate Storm Sewer Systems (MS4)
Drought-related Impacts
Municipal (Urbanized High Density Area)
Sediment Resuspension (Contaminated Sediment)

VAW-L04R_ROA08A02 **Roanoke River Upper** ROANOKE CITY SALEM CITY

Roanoke River mainstem from the Mason Creek mouth downstream to the confluence of Peters Creek on the Roanoke River.

VA Overall AU Category: **5D**

Use	Impairment	2.21 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		00293	**1996**	**2006**	Category 4A. Roanoke R. General Standard - Benthic (Sediment) TMDL Study complete and US EPA approved May 2006 (Fed. ID - NA). VAW-L04R-01.

Sources: Discharges from Municipal Separate Storm Sewer Systems (MS4)
Drought-related Impacts
Municipal (Urbanized High Density Area)
Sediment Resuspension (Contaminated Sediment)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Roanoke and Yadkin River Basins

TMDL Watershed Name: **Roanoke River**

TMDL Group ID: **00501**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAC-L78R_ROA06A98	**Roanoke River**	MECKLENBURG CO	Kerr Dam to Route 1 bridge.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	5.69 MILES	00501	**1998**	**2010**	

Sources: Dam or Impoundment

TMDL Group ID: **00679**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAC-L79L_ROA07A98	**Roanoke River**	MECKLENBURG CO	Upper portion of Lake Gaston - Route 1 to the confluence of Smith Creek.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	1379.57 ACRES	00679	**2004**	**2010**	

Sources: Dam or Impoundment

TMDL Group ID: **00700**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAW-L03R_ROA04A00	**Roanoke River Middle 1**	ROANOKE CO	Roanoke River mainstem from the Big Bear Rock Branch mouth upstream to end of the WQS designated public water supply (PWS) section just downstream of an unnamed tributary at Dixie Caverns.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	5.62 MILES	00700	**2006**	**2016**	Draft Roanoke R. March 2006 Bacteria TMDL Study complete and submitted for EPA approval.

Sources: Livestock (Grazing or Feeding Operations)
Municipal (Urbanized High Density Area)
Unspecified Domestic Waste
Wastes from Pets
Wildlife Other than Waterfowl

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		00700	**2004**	**2016**	Draft Roanoke R. March 2006 Bacteria TMDL Study complete and submitted for EPA approval.

Sources: Livestock (Grazing or Feeding Operations)
Municipal (Urbanized High Density Area)
Unspecified Domestic Waste
Wastes from Pets
Wildlife Other than Waterfowl

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Roanoke and Yadkin River Basins

TMDL Watershed Name: **Roanoke River**

TMDL Group ID: **00700**

VAW-L03R_ROA05A00 — **Roanoke River Upper 1** — ROANOKE CO

Roanoke River mainstem from the end of the WQS designated public water supply (PWS) section just downstream of an unnamed tributary at Dixie Caverns upstream to the Roanoke County Spring Hollow Reservoir intake.

VA Overall AU Category: **5A**

Use	Impairment (1.41 MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	00700	**2006**	**2016**	Escherichia coli bacteria added with 2006 IR. Draft Roanoke R. March 2006 Bacteria TMDL Study complete and submitted for EPA approval.
	Sources: Livestock (Grazing or Feeding Operations) Municipal (Urbanized High Density Area) Unspecified Domestic Waste Wastes from Pets Wildlife Other than Waterfowl				
Recreation	**Fecal Coliform**	00700	**2004**	**2016**	Draft Roanoke R. March 2006 Bacteria TMDL Study complete and submitted for EPA approval.
	Sources: Livestock (Grazing or Feeding Operations) Municipal (Urbanized High Density Area) Unspecified Domestic Waste Wastes from Pets Wildlife Other than Waterfowl				

VAW-L03R_ROA06A00 — **Roanoke River Upper 2** — MONTGOMERY CO, ROANOKE CO

Roanoke River mainstem from the Roanoke County Spring Hollow Reservoir intake upstream to the confluence of the North & South Forks of the Roanoke River.

VA Overall AU Category: **5A**

Use	Impairment (2.22 MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	00700	**2006**	**2016**	Escherichia coli bacteria added with the 2006 IR. Draft Roanoke R. March 2006 Bacteria TMDL Study complete and submitted for EPA approval.
	Sources: Livestock (Grazing or Feeding Operations) Municipal (Urbanized High Density Area) Unspecified Domestic Waste Wastes from Pets Wildlife Other than Waterfowl				
Recreation	**Fecal Coliform**	00700	**2004**	**2016**	Draft Roanoke R. March 2006 Bacteria TMDL Study complete and submitted for EPA approval.
	Sources: Livestock (Grazing or Feeding Operations) Municipal (Urbanized High Density Area) Unspecified Domestic Waste Wastes from Pets Wildlife Other than Waterfowl				

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Roanoke and Yadkin River Basins

TMDL Watershed Name: **Roanoke River**

TMDL Group ID: **50267**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAW-L03R_ROA01A00	**Roanoke River Lower 2**	SALEM CITY	Roanoke River mainstem from the Mason Creek mouth upstream to the Rt. 419 Bridge.

VA Overall AU Category: **5A**

Use	Impairment	1.20 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		50267	**2006**	**2014**	12 or more Escherichia coli (E.coli) bacteria samples. Draft Roanoke R. March 2006 Bacteria TMDL Study complete and submitted for EPA approval.

Sources: Discharges from Municipal Separate Storm Sewer Systems (MS4)
Municipal (Urbanized High Density Area)
Sanitary Sewer Overflows (Collection System Failures)
Wastes from Pets
Wildlife Other than Waterfowl

TMDL Group ID: **50268**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAW-L04R_ROA06A00	**Roanoke River Middle**	ROANOKE CITY	Roanoke River mainstem from the Murray Run mouth downstream to the Western Virginia Water Authority Roanoke Regional Water Pollution Control Plant.

VA Overall AU Category: **5D**

Use	Impairment	4.34 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		50268	**2006**	**2010**	12 or more Escherichia coli (E.coli) bacteria samples. Draft Roanoke R. March 2006 Bacteria TMDL Study complete and submitted for EPA approval.

Sources: Discharges from Municipal Separate Storm Sewer Systems (MS4)
Municipal (Urbanized High Density Area)
Sanitary Sewer Overflows (Collection System Failures)
Wastes from Pets
Wildlife Other than Waterfowl

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAW-L04R_ROA07A00	**Roanoke River Upper**	ROANOKE CITY	Roanoke River mainstem from the Peters Creek mouth downstream to the Murray Run confluence on the Roanoke River.

VA Overall AU Category: **5D**

Use	Impairment	3.32 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		50268	**2006**	**2010**	12 or more Escherichia coli (E.coli) bacteria samples. Draft Roanoke R. March 2006 Bacteria TMDL Study complete and submitted for EPA approval.

Sources: Discharges from Municipal Separate Storm Sewer Systems (MS4)
Municipal (Urbanized High Density Area)
Sanitary Sewer Overflows (Collection System Failures)
Wastes from Pets
Wildlife Other than Waterfowl

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Roanoke and Yadkin River Basins

TMDL Watershed Name: **Roanoke River**

TMDL Group ID: **50268**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAW-L04R_ROA08A02	**Roanoke River Upper**	ROANOKE CITY SALEM CITY	Roanoke River mainstem from the Mason Creek mouth downstream to the confluence of Peters Creek on the Roanoke River.

VA Overall AU Category: **5D**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	2.21 MILES	50268	**2006**	**2010**	12 or more Escherichia coli (E.coli) bacteria samples. Draft Roanoke R. March 2006 Bacteria TMDL Study complete and submitted for EPA approval.

Sources: Discharges from Municipal Separate Storm Sewer Systems (MS4)
Municipal (Urbanized High Density Area)
Sanitary Sewer Overflows (Collection System Failures)
Wastes from Pets
Wildlife Other than Waterfowl

TMDL Group ID: **50269**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAW-L04R_ROA02A00	**Roanoke River Niagara 1**	ROANOKE CO	These are the Roanoke River mainstem impounded waters of the Niagara Dam (PWS section 6i).

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	0.78 MILES	50269	**2006**	**2010**	12 or more Escherichia coli (E.coli) bacteria samples. Draft Roanoke R. March 2006 Bacteria TMDL Study complete and submitted for EPA approval.

Sources: Discharges from Municipal Separate Storm Sewer Systems (MS4)
Municipal (Urbanized High Density Area)
Sanitary Sewer Overflows (Collection System Failures)
Wastes from Pets
Wildlife Other than Waterfowl

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAW-L04R_ROA03A00	**Roanoke River Niagara 2**	ROANOKE CO	Roanoke River mainstem from near the backwaters of the Niagara Impoundment upstream to the end of the WQS designated public water supply (PWS section 6i) segment. The upstream ending of the PWS segment from SML 795 ft. pool elevation.

VA Overall AU Category: **5D**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	0.86 MILES	50269	**2006**	**2010**	12 or more Escherichia coli (E.coli) bacteria samples. Draft Roanoke R. March 2006 Bacteria TMDL Study complete and submitted for EPA approval.

Sources: Discharges from Municipal Separate Storm Sewer Systems (MS4)
Municipal (Urbanized High Density Area)
Sanitary Sewer Overflows (Collection System Failures)
Wastes from Pets
Wildlife Other than Waterfowl

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Roanoke and Yadkin River Basins

TMDL Watershed Name: **Roanoke River**

TMDL Group ID: **50269**

VAW-L04R_ROA04A00 — **Roanoke River Downstream of Tinker Creek** — ROANOKE CO

Roanoke R. mainstem from near the backwaters of Niagara Impoundment upstream to the Tinker Creek confluence on the Roanoke River (section 6). The upstream ending of the WQS designated public water supply (PWS) segment from SML 795 ft. pool elevation.

VA Overall AU Category: **5D**

Use	Impairment	0.25 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		50269	**2006**	**2010**	12 or more Escherichia coli (E.coli) samples. Draft Roanoke R. March 2006 Bacteria TMDL Study complete and submitted.

Sources: Discharges from Municipal Separate Storm Sewer Systems (MS4)
Municipal (Urbanized High Density Area)
Sanitary Sewer Overflows (Collection System Failures)
Wastes from Pets
Wildlife Other than Waterfowl

VAW-L04R_ROA05A00 — **Roanoke River Upstream of Tinker Creek** — ROANOKE CITY, ROANOKE CO

Roanoke River mainstem from the Western Virginia Water Authority Roanoke Regional Water Pollution Control Plant downstream to the Tinker Creek confluence (WQS section 6).

VA Overall AU Category: **5D**

Use	Impairment	0.35 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		50269	**2006**	**2010**	12 or more Escherichia coli (E.coli) bacteria samples. Draft Roanoke R. March 2006 Bacteria TMDL Study complete and submitted for EPA approval.

Sources: Discharges from Municipal Separate Storm Sewer Systems (MS4)
Municipal (Urbanized High Density Area)
Sanitary Sewer Overflows (Collection System Failures)
Wastes from Pets
Wildlife Other than Waterfowl

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Roanoke and Yadkin River Basins

TMDL Watershed Name: **Roanoke River - Lower**

TMDL Group ID: **50270**

VAW-L04R_ROA01A00	Roanoke River Lower	BEDFORD CO ROANOKE CO	Roanoke River mainstem waters from Niagara Dam downstream to the mouth of Back Creek (PWS section 6i).

VA Overall AU Category: **5A**

Use	Impairment	3.35 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		50270	**2006**	**2014**	12 or more Escherichia coli (E.coli) bacteria samples. Draft Roanoke R. March 2006 Bacteria TMDL Study complete and submitted for EPA approval.

Sources: Discharges from Municipal Separate Storm Sewer Systems (MS4)
Municipal (Urbanized High Density Area)
Sanitary Sewer Overflows (Collection System Failures)
Wastes from Pets
Wildlife Other than Waterfowl

TMDL Watershed Name: **Roanoke River - Middle and Lower**

TMDL Group ID: **50266**

VAW-L03R_ROA02A00	Roanoke River Lower 1	SALEM CITY	Roanoke River mainstem from the Rt. 419 Bridge upstream to the City of Salem downtown intake on the Roanoke River.

VA Overall AU Category: **5A**

Use	Impairment	2.66 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		50266	**2006**	**2014**	12 or more Escherichia coli (E.coli) bacteria samples. Draft Roanoke R. March 2006 Bacteria TMDL Study complete and submitted for EPA approval.

Sources: Discharges from Municipal Separate Storm Sewer Systems (MS4)
Municipal (Urbanized High Density Area)
Sanitary Sewer Overflows (Collection System Failures)
Wastes from Pets
Wildlife Other than Waterfowl

VAW-L03R_ROA03A00	Roanoke River Lower 1	ROANOKE CO SALEM CITY	Roanoke River mainstem from the Salem City WTP downtown intake upstream to the Big Bear Branch mouth on the Roanoke River.

VA Overall AU Category: **5A**

Use	Impairment	3.40 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		50266	**2006**	**2014**	12 or more Escherichia coli (E.coli) bacteria samples. Draft Roanoke R. March 2006 Bacteria TMDL Study complete and submitted for EPA approval.

Sources: Discharges from Municipal Separate Storm Sewer Systems (MS4)
Municipal (Urbanized High Density Area)
Sanitary Sewer Overflows (Collection System Failures)
Wastes from Pets
Wildlife Other than Waterfowl

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Roanoke and Yadkin River Basins

TMDL Watershed Name: **Roanoke River Watershed, PCB**

TMDL Group ID: **30000**

VAW-L03R_ROA01A00 — **Roanoke River Lower 2** — SALEM CITY

Roanoke River mainstem from the Mason Creek mouth upstream to the Rt. 419 Bridge.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	1.20 MILES	30000	**2002**	**2014**	VDH Fish Consumption Advisory. VAW-ROA-PCB.

Sources: Source Unknown

VAW-L03R_ROA02A00 — **Roanoke River Lower 1** — SALEM CITY

Roanoke River mainstem from the Rt. 419 Bridge upstream to the City of Salem downtown intake on the Roanoke River.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	2.66 MILES	30000	**2002**	**2014**	VDH Fish Consumption Advisory. VAW-ROA-PCB.

Sources: Source Unknown

VAW-L03R_ROA03A00 — **Roanoke River Lower 1** — ROANOKE CO, SALEM CITY

Roanoke River mainstem from the Salem City WTP downtown intake upstream to the Big Bear Branch mouth on the Roanoke River.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	3.40 MILES	30000	**2002**	**2014**	VDH Fish Consumption Advisory. VAW-ROA-PCB.

Sources: Source Unknown

VAW-L03R_ROA04A00 — **Roanoke River Middle 1** — ROANOKE CO

Roanoke River mainstem from the Big Bear Rock Branch mouth upstream to end of the WQS designated public water supply (PWS) section just downstream of an unnamed tributary at Dixie Caverns.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	5.62 MILES	30000	**2002**	**2014**	VDH Fish Consumption Advisory. VAW-ROA-PCB.

Sources: Source Unknown

VAW-L03R_ROA05A00 — **Roanoke River Upper 1** — ROANOKE CO

Roanoke River mainstem from the end of the WQS designated public water supply (PWS) section just downstream of an unnamed tributary at Dixie Caverns upstream to the Roanoke County Spring Hollow Reservoir intake.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	1.41 MILES	30000	**2002**	**2014**	VDH Fish Consumption Advisory. VAW-ROA-PCB.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Roanoke and Yadkin River Basins

TMDL Watershed Name: **Roanoke River Watershed, PCB**

TMDL Group ID: **30000**

VAW-L03R_ROA06A00 — **Roanoke River Upper 2** — MONTGOMERY CO, ROANOKE CO

Roanoke River mainstem from the Roanoke County Spring Hollow Reservoir intake upstream to the confluence of the North & South Forks of the Roanoke River.

VA Overall AU Category: **5A**

Use	Impairment	2.22 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		30000	**2002**	**2014**	VDH Fish Consumption Advisory. VAW-ROA-PCB.

Sources: Source Unknown

VAW-L04R_PEE01A02 — **Peters Creek Lower** — ROANOKE CITY

Peters Creek mainstem from its confluence with the Roanoke River upstream to the Melrose Avenue Bridge (Rt. 11/460).

VA Overall AU Category: **5A**

Use	Impairment	2.53 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		30000	**2004**	**2016**	VDH Fish Consumption Advisory. VAW-ROA-PCB.

Sources: Source Unknown

VAW-L04R_ROA01A00 — **Roanoke River Lower** — BEDFORD CO, ROANOKE CO

Roanoke River mainstem waters from Niagara Dam downstream to the mouth of Back Creek (PWS section 6i).

VA Overall AU Category: **5A**

Use	Impairment	3.35 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		30000	**2002**	**2014**	VDH Fish Consumption Advisory. VAW-ROA-PCB.

Sources: Source Unknown

VAW-L04R_ROA02A00 — **Roanoke River Niagara 1** — ROANOKE CO

These are the Roanoke River mainstem impounded waters of the Niagara Dam (PWS section 6i).

VA Overall AU Category: **5A**

Use	Impairment	0.78 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		30000	**2002**	**2014**	VDH Fish Consumption Advisory. VAW-ROA-PCB.

Sources: Source Unknown

VAW-L04R_ROA03A00 — **Roanoke River Niagara 2** — ROANOKE CO

Roanoke River mainstem from near the backwaters of the Niagara Impoundment upstream to the end of the WQS designated public water supply (PWS section 6i) segment. The upstream ending of the PWS segment from SML 795 ft. pool elevation.

VA Overall AU Category: **5D**

Use	Impairment	0.86 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		30000	**2002**	**2014**	VDH Fish Consumption Advisory. VAW-ROA-PCB.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Roanoke and Yadkin River Basins

TMDL Watershed Name: **Roanoke River Watershed, PCB**

TMDL Group ID: **30000**

VAW-L04R_ROA04A00 — **Roanoke River Downstream of Tinker Creek** — ROANOKE CO

Roanoke R. mainstem from near the backwaters of Niagara Impoundment upstream to the Tinker Creek confluence on the Roanoke River (section 6). The upstream ending of the WQS designated public water supply (PWS) segment from SML 795 ft. pool elevation.

VA Overall AU Category: **5D**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.25 MILES	30000	**2002**	**2014**	VDH Fish Consumption Advisory. VAW-ROA-PCB.

Sources: Source Unknown

VAW-L04R_ROA05A00 — **Roanoke River Upstream of Tinker Creek** — ROANOKE CITY, ROANOKE CO

Roanoke River mainstem from the Western Virginia Water Authority Roanoke Regional Water Pollution Control Plant downstream to the Tinker Creek confluence (WQS section 6).

VA Overall AU Category: **5D**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.35 MILES	30000	**2002**	**2014**	VDH Fish Consumption Advisory. VAW-ROA-PCB.

Sources: Source Unknown

VAW-L04R_ROA06A00 — **Roanoke River Middle** — ROANOKE CITY

Roanoke River mainstem from the Murray Run mouth downstream to the Western Virginia Water Authority Roanoke Regional Water Pollution Control Plant.

VA Overall AU Category: **5D**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	4.34 MILES	30000	**2002**	**2014**	VDH Fish Consumption Advisory. VAW-ROA-PCB.

Sources: Source Unknown

VAW-L04R_ROA07A00 — **Roanoke River Upper** — ROANOKE CITY

Roanoke River mainstem from the Peters Creek mouth downstream to the Murray Run confluence on the Roanoke River.

VA Overall AU Category: **5D**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	3.32 MILES	30000	**2002**	**2014**	VDH Fish Consumption Advisory. VAW-ROA-PCB.

Sources: Source Unknown

VAW-L04R_ROA08A02 — **Roanoke River Upper** — ROANOKE CITY, SALEM CITY

Roanoke River mainstem from the Mason Creek mouth downstream to the confluence of Peters Creek on the Roanoke River.

VA Overall AU Category: **5D**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	2.21 MILES	30000	**2002**	**2014**	VDH Fish Consumption Advisory. VAW-ROA-PCB.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Roanoke and Yadkin River Basins

TMDL Watershed Name: **Roanoke River Watershed, PCB**

TMDL Group ID: **30000**

VAW-L05R_TKR01A00 — **Tinker Creek Lower** — BOTETOURT CO, ROANOKE CO

Tinker Creek mainstem from the its confluence with the Roanoke River upstream to the mouth of Carvin Creek.

VA Overall AU Category: **5D**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	5.35 MILES	30000	**2006**	**2014**	VDH Fish Consumption Advisory. VAW-ROA-PCB.

Sources: Source Unknown

VAW-L08R_BWR01A00 — **Blackwater River Lower 1** — FRANKLIN CO

Blackwater River mainstem from the Rt. 122 Bridge downstream to the mouth of Maggoddee Creek.

VA Overall AU Category: **5D**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	3.09 MILES	30000	**2006**	**2014**	VDH Fish Consumption Advisory. VAW-ROA-PCB.

Sources: Source Unknown

VAW-L10R_BWR01A00 — **Blackwater River Lower** — FRANKLIN CO

Blackwater mainstem from the Dillions Mill Branch mouth downstream into Smith Mountain Lake. The waters are within the WQS designated public water supply (PWS) section, 5 miles upstream of the 795 ft. pool elevation of Smith Mtn. Lake.

VA Overall AU Category: **5D**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.50 MILES	30000	**2006**	**2014**	VDH Fish Consumption Advisory. VAW-ROA-PCB.

Sources: Source Unknown

VAW-L10R_BWR02A00 — **Blackwater River Middle** — FRANKLIN CO

Blackwater River mainstem waters from the upper end of the WQS designated public water supply (PWS) section downstream to Dillions Mill Branch.

VA Overall AU Category: **5D**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	5.22 MILES	30000	**2006**	**2014**	VDH Fish Consumption Advisory. VAW-ROA-PCB.

Sources: Source Unknown

VAW-L10R_BWR03A00 — **Blackwater River Upper** — FRANKLIN CO

Blackwater River mainstem from the Maggodee Creek mouth on downstream to the upper end of the WQS designated public water supply (PWS) section.

VA Overall AU Category: **5D**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	2.62 MILES	30000	**2006**	**2014**	VDH Fish Consumption Advisory. VAW-ROA-PCB.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Roanoke and Yadkin River Basins

TMDL Watershed Name: **Roanoke River Watershed, PCB**

TMDL Group ID: **30000**

VAW-L12L_BDA01A02 **Beaverdam Creek SML** BEDFORD CO Beaverdam Creek from its mouth on the Roanoke River upstream to its backwaters.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	151.70 ACRES	30000	**2006**	**2014**	VDH Fish Consumption Advisory. VAW-ROA-PCB.

Sources: Source Unknown

VAW-L12L_BSA01A02 **Bull Run SML** FRANKLIN CO Bull Run from its mouth on the Blackwater River upstream to its backwaters.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	1171.74 ACRES	30000	**2006**	**2014**	VDH Fish Consumption Advisory. VAW-ROA-PCB.

Sources: Source Unknown

VAW-L12L_BWR01A02 **Blackwater River SML Lower** FRANKLIN CO Blackwater River from its mouth on the Roanoke River upstream to the mouth of Gills Creek.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	2460.64 ACRES	30000	**2006**	**2014**	VDH Fish Consumption Advisory. VAW-ROA-PCB.

Sources: Source Unknown

VAW-L12L_BWR02A02 **Blackwater River SML Middle** FRANKLIN CO Blackwater River from the mouth of Gills Creek upstream to near the 4H Camp.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	1849.57 ACRES	30000	**2006**	**2014**	VDH Fish Consumption Advisory. VAW-ROA-PCB.

Sources: Source Unknown

VAW-L12L_BWR03A02 **Blackwater River SML Upper** FRANKLIN CO Blackwater River from its backwaters of SML downstream approximately 4.4 miles. Downstream ending at 37°03'03" / 79°43'49" located 1.7 miles upstream of the 4H Camp.

VA Overall AU Category: **5D**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	525.04 ACRES	30000	**2006**	**2014**	VDH Fish Consumption Advisory. VAW-ROA-PCB.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Roanoke and Yadkin River Basins

TMDL Watershed Name: **Roanoke River Watershed, PCB**

TMDL Group ID: **30000**

VAW-L12L_CCK01A02 — **Craddock Creek SML** — BEDFORD CO — Craddock Creek from its mouth on the Roanoke River upstream to its backwaters.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	1547.12 ACRES	30000	**2006**	**2014**	VDH Fish Consumption Advisory. VAW-ROA-PCB.

Sources: Source Unknown

VAW-L12L_COA01A02 — **Cool Branch SML** — FRANKLIN CO, PITTSYLVANIA CO — Cool Branch from its mouth on the Blackwater River upstream to its backwaters.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	362.12 ACRES	30000	**2006**	**2014**	VDH Fish Consumption Advisory. VAW-ROA-PCB.

Sources: Source Unknown

VAW-L12L_FIN01A02 — **Falling Creek SML** — BEDFORD CO — Falling Creek from its confluence with the Roanoke River upstream to its backwaters (795 Ft. pool elevation).

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	18.36 ACRES	30000	**2006**	**2014**	VDH Fish Consumption Advisory. VAW-ROA-PCB.

Sources: Source Unknown

VAW-L12L_GIL01A02 — **Gills Creek SML Lower** — FRANKLIN CO — Gills Creek from its mouth on the Blackwater River upstream to near the end of Route 665.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	527.22 ACRES	30000	**2006**	**2014**	VDH Fish Consumption Advisory. VAW-ROA-PCB.

Sources: Source Unknown

VAW-L12L_GIL02A02 — **Gills Creek SML Upper** — FRANKLIN CO — Gills Creek from the end of Route 665 upstream to its backwaters.

VA Overall AU Category: **5D**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	197.42 ACRES	30000	**2006**	**2014**	VDH Fish Consumption Advisory. VAW-ROA-PCB.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Roanoke and Yadkin River Basins

TMDL Watershed Name: **Roanoke River Watershed, PCB**

TMDL Group ID: **30000**

VAW-L12L_IND01A06 — **Indian Creek SML** — FRANKLIN CO — Indian Creek from its mouth on the Roanoke River upstream to the 795 Ft. pool elevation of Smith Mountain Lake.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	82.32 ACRES	30000	**2006**	**2014**	VDH Fish Consumption Advisory. VAW-ROA-PCB.

Sources: Source Unknown

VAW-L12L_ROA01A02 — **Roanoke River SML Lower** — BEDFORD CO, PITTSYLVANIA CO — Roanoke River and Witcher Creek from Smith Mountain Dam upstream to the confluence of the Blackwater River.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	2699.02 ACRES	30000	**2006**	**2014**	VDH Fish Consumption Advisory. VAW-ROA-PCB.

Sources: Source Unknown

VAW-L12L_ROA02A02 — **Roanoke River SML Middle 1** — BEDFORD CO, FRANKLIN CO — Roanoke River from the mouth of the Blackwater River upstream to above the Beckys Creek mouth @37°07'48" / 79°39'20", approximately 1 mile downstream of the Hales Ford Bridge.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	5214.45 ACRES	30000	**2006**	**2014**	VDH Fish Consumption Advisory. VAW-ROA-PCB.

Sources: Source Unknown

VAW-L12L_ROA03A02 — **Roanoke River SML Middle 2** — BEDFORD CO, FRANKLIN CO — Roanoke River from the mouth of Falling Creek downstream to the near the mouth of Beckys Creek @37°07'48" / 79°39'20", approximately 1 mile downstream of the Hales Ford Bridge.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	2633.28 ACRES	30000	**2002**	**2014**	VDH Fish Consumption Advisory. VAW-ROA-PCB.

Sources: Source Unknown

VAW-L12L_ROA04A02 — **Roanoke River SML Upper** — BEDFORD CO, FRANKLIN CO — Roanoke River from the Back Creek confluence downstream to the mouth of Falling Creek.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	350.06 ACRES	30000	**2006**	**2014**	VDH Fish Consumption Advisory. VAW-ROA-PCB.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Roanoke and Yadkin River Basins

TMDL Watershed Name: **Roanoke River, North Fork (middle)**

TMDL Group ID: **50263**

VAW-L02R_RNF03A02 **Roanoke River, North Fork Middle** MONTGOMERY CO

North Fork Roanoke River mainstem from a right bank entry of an unnamed tributary in the community of Ironto upstream to the mouth of Wilson Cr.

VA Overall AU Category: **5A**

Use	Impairment	6.56 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		50263	**2006**	**2014**	12 or more Escherichia coli (E.coli) bacteria samples. Draft Roanoke R. March 2006 Bacteria TMDL Study complete and submitted for EPA approval.

Sources: Livestock (Grazing or Feeding Operations)
Municipal (Urbanized High Density Area)
Unspecified Domestic Waste
Wastes from Pets
Wildlife Other than Waterfowl

TMDL Watershed Name: **Roanoke River, South Fork**

TMDL Group ID: **00698**

VAW-L01R_RSF01A00 **Roanoke River, South Fork Lower** MONTGOMERY CO

South Fork Roanoke River mainstem segment extends from PWS WQS upstream ending on downstream to the South Fork's confluence with the North Fork Roanoke River.

VA Overall AU Category: **5A**

Use	Impairment	3.28 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		00698	**2004**	**2016**	Draft Roanoke R. March 2006 Bacteria TMDL Study complete and submitted for EPA approval.

Sources: Livestock (Grazing or Feeding Operations)
Municipal (Urbanized High Density Area)
Unspecified Domestic Waste
Wastes from Pets
Wildlife Other than Waterfowl

VAW-L01R_RSF02A00 **Roanoke River, South Fork Middle** MONTGOMERY CO

South Fork Roanoke River mainstem segment extends from Shawsville STP downstream to the WQS designated PWS upstream ending.

VA Overall AU Category: **5A**

Use	Impairment	2.99 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		00698	**2004**	**2016**	Draft Roanoke R. March 2006 Bacteria TMDL Study complete and submitted for EPA approval.

Sources: Livestock (Grazing or Feeding Operations)
Municipal (Urbanized High Density Area)
Unspecified Domestic Waste
Wastes from Pets
Wildlife Other than Waterfowl

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Roanoke and Yadkin River Basins

TMDL Watershed Name: **Roanoke River, South Fork**

TMDL Group ID: **00698**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAW-L01R_RSF03A00	Roanoke River, South Fork Upper	MONTGOMERY CO	South Fork Roanoke River from the mouth of Elliott Creek downstream to the Shawsville STP.

VA Overall AU Category: 5A

Use	Impairment	6.38 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Fecal Coliform		00698	2004	2016	Draft Roanoke R. March 2006 Bacteria TMDL Study complete and submitted for EPA approval.

Sources: Livestock (Grazing or Feeding Operations)
Municipal (Urbanized High Density Area)
Unspecified Domestic Waste
Wastes from Pets
Wildlife Other than Waterfowl

TMDL Group ID: **00710**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAW-L01R_RSF01A00	Roanoke River, South Fork Lower	MONTGOMERY CO	South Fork Roanoke River mainstem segment extends from PWS WQS upstream ending on downstream to the South Fork's confluence with the North Fork Roanoke River.

VA Overall AU Category: 5A

Use	Impairment	3.28 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	Temperature, water		00710	2004	2016	Category 5C

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAW-L01R_RSF02A00	Roanoke River, South Fork Middle	MONTGOMERY CO	South Fork Roanoke River mainstem segment extends from Shawsville STP downstream to the WQS designated PWS upstream ending.

VA Overall AU Category: 5A

Use	Impairment	2.99 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	Temperature, water		00710	2004	2016	Category 5C

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAW-L01R_RSF03A00	Roanoke River, South Fork Upper	MONTGOMERY CO	South Fork Roanoke River from the mouth of Elliott Creek downstream to the Shawsville STP.

VA Overall AU Category: 5A

Use	Impairment	6.38 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	Temperature, water		00710	2004	2016	Category 5C

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Roanoke and Yadkin River Basins

TMDL Watershed Name: **Sandy Creek**

TMDL Group ID: **00384**

VAC-L70R_SNA01A00	Sandy Creek	HALIFAX CO	Johns Run to mouth on Banister River

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	11.76 MILES	00384	**2002**	**2014**	

Sources: Source Unknown

TMDL Group ID: **00754**

VAC-L59R_SCR02A02	Sandy Creek	PITTSYLVANIA CO	Sandy Creek mainstem from near its headwaters downstream to the confluence of Little Sandy Creek.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	9.17 MILES	00754	**2004**	**2016**	

Sources: Source Unknown

TMDL Group ID: **50129**

VAC-L40R_SLA01A06	Sandy Creek	CHARLOTTE CO	Headwaters to mouth on Roanoke (Staunton) River

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	5.34 MILES	50129	**2002**	**2014**	

Sources: Source Unknown

TMDL Watershed Name: **Sandy River**

TMDL Group ID: **00379**

VAC-L58R_SRV01A00	Sandy River	PITTSYLVANIA CO	Sandy River mainstem from the Hickory Forest Creek mouth downstream to the Sandy River confluence on the Dan River.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	7.21 MILES	00379	**2002**	**2010**	

Sources: Non-Point Source

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Roanoke and Yadkin River Basins

TMDL Watershed Name: **Sandy River**

TMDL Group ID: **50136**

VAC-L58R_SRV04A06	Sandy River	PITTSYLVANIA CO	From its headwaters to its confluence with the South Prong

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	13.81 MILES	50136	**2006**	**2018**	

Sources: Source Unknown

TMDL Watershed Name: **Smith Mountain Lake, Roanoke River**

TMDL Group ID: **01329**

VAW-L12L_ROA03A02	Roanoke River SML Middle 2	BEDFORD CO FRANKLIN CO	Roanoke River from the mouth of Falling Creek downstream to the near the mouth of Beckys Creek @37°07'48" / 79°39'20", approximately 1 mile downstream of the Hales Ford Bridge.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**	2633.28 ACRES	01329	**2002**	**2014**	Category 5A

Sources: Changes in Ordinary Stratification and Bottom Water Hypoxia/Anoxia
Natural Conditions - Water Quality Standards Use Attainability Analyses Needed
Source Unknown

TMDL Group ID: **50314**

VAW-L12L_ROA04A02	Roanoke River SML Upper	BEDFORD CO FRANKLIN CO	Roanoke River from the Back Creek confluence downstream to the mouth of Falling Creek.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	350.06 ACRES	50314	**2002**	**2014**	

Sources: Changes in Ordinary Stratification and Bottom Water Hypoxia/Anoxia
Municipal (Urbanized High Density Area)
Sanitary Sewer Overflows (Collection System Failures)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Roanoke and Yadkin River Basins

TMDL Watershed Name: **Smith River**

TMDL Group ID: **00375**

VAW-L54R_SRE03A00 **Smith River Middle 1** HENRY CO

Smith River mainstem from the Leatherwood Creek mouth downstream to the confluence of Turkeypen Creek.

VA Overall AU Category: **5A**

Use	Impairment	4.76 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		00375	**1998**	**2010**	

Sources: Dam or Impoundment
Municipal (Urbanized High Density Area)
Sediment Resuspension (Clean Sediment)
Silviculture Harvesting

VAW-L54R_SRE03A02 **Smith River Middle 2** HENRY CO

Smith River mainstem from the Marrowbone Creek mouth downstream to the confluence of Leatherwood Creek.

VA Overall AU Category: **5A**

Use	Impairment	1.71 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		00375	**1998**	**2010**	

Sources: Dam or Impoundment
Municipal (Urbanized High Density Area)
Sediment Resuspension (Clean Sediment)
Silviculture Harvesting

VAW-L54R_SRE04A00 **Smith River Middle 3** HENRY CO

The mainstem Smith River located between the HCPSA Lower Smith River STP and the confluence of Marrowbone Creek.

VA Overall AU Category: **5A**

Use	Impairment	0.39 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		00375	**1998**	**2010**	

Sources: Dam or Impoundment
Municipal (Urbanized High Density Area)
Sediment Resuspension (Clean Sediment)
Silviculture Harvesting

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Roanoke and Yadkin River Basins

TMDL Watershed Name: **Smith River**

TMDL Group ID: **00375**

VAW-L54R_SRE05A00 **Smith River Upper 1** HENRY CO MARTINSVILLE CITY

The mainstem Smith River located between the Martinsville City STP outfall downstream to the Henry County PSA Lower Smith STP outfall.

VA Overall AU Category: **5A**

Use	Impairment	3.32 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		00375	**1998**	**2010**	

Sources: Dam or Impoundment
Municipal (Urbanized High Density Area)
Sediment Resuspension (Clean Sediment)
Silviculture Harvesting

VAW-L54R_SRE06A00 **Smith River Upper 2** HENRY CO MARTINSVILLE CITY

The mainstem Smith River located between the Martinsville Dam downstream to Martinsville City STP outfall.

VA Overall AU Category: **5A**

Use	Impairment	3.59 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		00375	**1998**	**2010**	

Sources: Dam or Impoundment
Municipal (Urbanized High Density Area)
Sediment Resuspension (Clean Sediment)
Silviculture Harvesting

TMDL Group ID: **50289**

VAW-L52R_SRE01A00 **Smith River Lower 1** HENRY CO

The Smith River mainstem from the Blackberry Creek mouth downstream to Rock Run mouth (Watershed Boundary).

VA Overall AU Category: **5A**

Use	Impairment	0.96 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		50289	**2006**	**2018**	AU Delisted 2004 IR. VAW-L52R-01 - Returns to Impaired Waters Status 2006 IR.

Sources: Municipal (Urbanized High Density Area)
Unspecified Domestic Waste
Wastes from Pets
Wildlife Other than Waterfowl

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Roanoke and Yadkin River Basins

TMDL Watershed Name: **Smith River**

TMDL Group ID: **50289**

VAW-L53R_SRE04A00 **Smith River Upper 1** HENRY CO

Smith River mainstem from the mouth of Reed Creek upstream to an unnnamed tributary. The unnamed tributary is approximately 0.70 miles downstream of the Alt. 57 Bridge.

VA Overall AU Category: **5A**

Use	Impairment	0.81 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		50289	**2006**	**2018**	AU Delisted 2004 IR. VAW-L52R-01 - Returns to Impaired Waters Status 2006 IR.

Sources: Municipal (Urbanized High Density Area)
Unspecified Domestic Waste
Wastes from Pets
Wildlife Other than Waterfowl

VAW-L53R_SRE05A00 **Smith River Upper 2** HENRY CO

Smith River mainstem from an unnamed tributary located approximately 0.70 miles downstream of the Alt. 57 Bridge, upstream to the watershed boundary at the mouth of Rock Run.

VA Overall AU Category: **5A**

Use	Impairment	1.48 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		50289	**2006**	**2018**	AU Delisted 2004 IR. VAW-L52R-01 - Returns to Impaired Waters Status 2006 IR.

Sources: Municipal (Urbanized High Density Area)
Unspecified Domestic Waste
Wastes from Pets
Wildlife Other than Waterfowl

TMDL Group ID: **50290**

VAW-L53R_SRE01B06 **Smith River Lower 1** HENRY CO

Smith River mainstem from the former E. I. duPont outfall upstream to the E. I. duPont water intake on the Smith River.

VA Overall AU Category: **5A**

Use	Impairment	0.49 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		50290	**2004**	**2016**	

Sources: Municipal (Urbanized High Density Area)
Wastes from Pets
Wildlife Other than Waterfowl

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Roanoke and Yadkin River Basins

TMDL Watershed Name: **Smith River**

TMDL Group ID: **50293**

VAW-L54R_SRE01A00 **Smith River Lower 1** HENRY CO Smith River mainstem from the Home Creek mouth downstream to VA/NC State Line.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	3.22 MILES	50293	**2006**	**2014**	

Sources: Livestock (Grazing or Feeding Operations)
Municipal (Urbanized High Density Area)
Unspecified Domestic Waste
Wastes from Pets
Wildlife Other than Waterfowl

VAW-L54R_SRE02A00 **Smith River Lower 2** HENRY CO The mainstem Smith River located between the Turkey Pen Creek mouth downstream to the Home Creek mouth.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	3.07 MILES	50293	**2006**	**2014**	

Sources: Livestock (Grazing or Feeding Operations)
Municipal (Urbanized High Density Area)
Unspecified Domestic Waste
Wastes from Pets
Wildlife Other than Waterfowl

TMDL Watershed Name: **Smith River, Lower and Middle**

TMDL Group ID: **01712**

VAW-L53R_SRE02A00 **Smith River Lower 2** HENRY CO
MARTINSVILLE CITY Smith River mainstem from the E. I. duPont intake upstream to the Henry County PSA Upper Smith River STP.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	4.26 MILES	01712	**2004**	**2016**	

Sources: Municipal (Urbanized High Density Area)
Wastes from Pets
Wildlife Other than Waterfowl

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Roanoke and Yadkin River Basins

TMDL Watershed Name: **Smith River, Lower and Middle**

TMDL Group ID: **01712**

VAW-L53R_SRE03A00 **Smith River Middle** HENRY CO Smith River mainstem from the Henry County PSA Upper Smith River STP upstream to the mouth of Reed Creek.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	2.20 MILES	01712	**2004**	**2016**	

Sources: Municipal (Urbanized High Density Area)
Wastes from Pets
Wildlife Other than Waterfowl

TMDL Watershed Name: **Smith River, Lower, Middle, Upper**

TMDL Group ID: **01711**

VAW-L50R_SRE01A00 **Smith River Lower** PATRICK CO Smith River mainstem from the Liberty Fabrics outfall downstream to Widgeon Creek at the watershed boundary.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Temperature, water**	5.60 MILES	01711	**2002**	**2014**	Category 5C

Sources: Source Unknown

VAW-L50R_SRE02A00 **Smith River Middle 1** PATRICK CO Smith River mainstem from the Jacks Creek mouth downstream to Liberty Fabrics outfall.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Temperature, water**	0.26 MILES	01711	**2002**	**2014**	Category 5C

Sources: Source Unknown

VAW-L50R_SRE03A00 **Smith River Middle 2** PATRICK CO Smith River mainstem WQS Class VI end of section, as described in WQS, downstream to mouth of Jacks Creek.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Temperature, water**	0.60 MILES	01711	**2002**	**2014**	Category 5C

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Roanoke and Yadkin River Basins

TMDL Watershed Name: **Smith River, Lower, Middle, Upper**

TMDL Group ID: **01711**

VAW-L50R_SRE04A00 **Smith River Upper 1** PATRICK CO Smith River mainstem from the Rich Run mouth downstream to WQS Natural Trout section, as described in WQS.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Temperature, water**	2.74 MILES	01711	**2002**	**2014**	Category 5C

Sources: Source Unknown

TMDL Group ID: **01714**

VAW-L50R_SRE01A00 **Smith River Lower** PATRICK CO Smith River mainstem from the Liberty Fabrics outfall downstream to Widgeon Creek at the watershed boundary.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	5.60 MILES	01714	**2004**	**2016**	

Sources: Livestock (Grazing or Feeding Operations)
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)
Unspecified Domestic Waste
Wildlife Other than Waterfowl

VAW-L50R_SRE02A00 **Smith River Middle 1** PATRICK CO Smith River mainstem from the Jacks Creek mouth downstream to Liberty Fabrics outfall.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	0.26 MILES	01714	**2004**	**2016**	

Sources: Livestock (Grazing or Feeding Operations)
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)
Unspecified Domestic Waste
Wildlife Other than Waterfowl

VAW-L50R_SRE03A00 **Smith River Middle 2** PATRICK CO Smith River mainstem WQS Class VI end of section, as described in WQS, downstream to mouth of Jacks Creek.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	0.60 MILES	01714	**2004**	**2016**	

Sources: Livestock (Grazing or Feeding Operations)
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)
Unspecified Domestic Waste
Wildlife Other than Waterfowl

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Roanoke and Yadkin River Basins

TMDL Watershed Name: **Smith River, Lower, Middle, Upper**

TMDL Group ID: **01714**

VAW-L50R_SRE04A00	Smith River Upper 1	PATRICK CO	Smith River mainstem from the Rich Run mouth downstream to WQS Natural Trout section, as described in WQS.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	2.74 MILES	01714	**2004**	**2016**	

Sources: Livestock (Grazing or Feeding Operations)
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)
Unspecified Domestic Waste
Wildlife Other than Waterfowl

TMDL Watershed Name: **Smith River, Upper and Middle**

TMDL Group ID: **01713**

VAW-L54R_SRE03A00	Smith River Middle 1	HENRY CO	Smith River mainstem from the Leatherwood Creek mouth downstream to the confluence of Turkeypen Creek.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	4.76 MILES	01713	**2002**	**2014**	

Sources: Livestock (Grazing or Feeding Operations)
Municipal (Urbanized High Density Area)
Unspecified Domestic Waste
Wastes from Pets
Wildlife Other than Waterfowl

VAW-L54R_SRE03A02	Smith River Middle 2	HENRY CO	Smith River mainstem from the Marrowbone Creek mouth downstream to the confluence of Leatherwood Creek.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	1.71 MILES	01713	**2002**	**2014**	

Sources: Livestock (Grazing or Feeding Operations)
Municipal (Urbanized High Density Area)
Unspecified Domestic Waste
Wastes from Pets
Wildlife Other than Waterfowl

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Roanoke and Yadkin River Basins

TMDL Watershed Name: **Smith River, Upper and Middle**

TMDL Group ID: **01713**

VAW-L54R_SRE04A00 **Smith River Middle 3** HENRY CO

The mainstem Smith River located between the HCPSA Lower Smith River STP and the confluence of Marrowbone Creek.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	0.39 MILES	01713	**2002**	**2014**	

Sources: Livestock (Grazing or Feeding Operations)
Municipal (Urbanized High Density Area)
Unspecified Domestic Waste
Wastes from Pets
Wildlife Other than Waterfowl

VAW-L54R_SRE05A00 **Smith River Upper 1** HENRY CO, MARTINSVILLE CITY

The mainstem Smith River located between the Martinsville City STP outfall downstream to the Henry County PSA Lower Smith STP outfall.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	3.32 MILES	01713	**2002**	**2014**	

Sources: Livestock (Grazing or Feeding Operations)
Municipal (Urbanized High Density Area)
Unspecified Domestic Waste
Wastes from Pets
Wildlife Other than Waterfowl

VAW-L54R_SRE06A00 **Smith River Upper 2** HENRY CO, MARTINSVILLE CITY

The mainstem Smith River located between the Martinsville Dam downstream to Martinsville City STP outfall.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	3.59 MILES	01713	**2004**	**2016**	

Sources: Livestock (Grazing or Feeding Operations)
Municipal (Urbanized High Density Area)
Unspecified Domestic Waste
Wastes from Pets
Wildlife Other than Waterfowl

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Roanoke and Yadkin River Basins

TMDL Watershed Name: **Snow Creek**

TMDL Group ID: **00299**

VAW-L17R_SNW01A00 | **Snow Creek** | FRANKLIN CO, PITTSYLVANIA CO | Snow Creek mainstem from the mouth of Ditto Branch downstream to the mouth of Snow Creek on the Pigg River.

VA Overall AU Category: **5A**

Use	Impairment	10.98 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00299	**2006**	**2010**	12 or more Escherichia coli (E.coli) bacteria samples.

Sources: Livestock (Grazing or Feeding Operations)
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)
Unspecified Domestic Waste
Wastes from Pets
Wildlife Other than Waterfowl

TMDL Watershed Name: **South Mayo River**

TMDL Group ID: **85005**

VAW-L43R_SMR02A02 | **South Mayo River** | PATRICK CO | South Mayo River mainstem from the Anglin Branch confluence downstream to the Russell Creek confluence on the South Mayo River.

VA Overall AU Category: **5A**

Use	Impairment	8.02 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		85005	**2004**	**2004**	

Sources: Livestock (Grazing or Feeding Operations)
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)
Unspecified Domestic Waste
Wastes from Pets
Wildlife Other than Waterfowl

VAW-L43R_SMR03A02 | **South Mayo River Lower Middle 1** | PATRICK CO | South Mayo River mainstem from the Town of Stuart POTW downstream to the confluence of Anglin Branch.

VA Overall AU Category: **5A**

Use	Impairment	4.39 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		85005	**2004**	**2016**	

Sources: Livestock (Grazing or Feeding Operations)
Municipal (Urbanized High Density Area)
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)
Unspecified Domestic Waste
Wastes from Pets
Wildlife Other than Waterfowl

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Roanoke and Yadkin River Basins

TMDL Watershed Name: **South Mayo River**

TMDL Group ID: **85005**

VAW-L43R_SMR03B02 — **South Mayo River Lower Middle 2** — PATRICK CO

South Fork Mayo River mainstem from the confluence of the North Fork South Mayo River downstream to the Town of Stuart POTW.

VA Overall AU Category: **5A**

Use	Impairment	Impairment	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	2.26 MILES	85005	**2004**	**2016**	

Sources:
- Livestock (Grazing or Feeding Operations)
- Municipal (Urbanized High Density Area)
- On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)
- Unspecified Domestic Waste
- Wastes from Pets
- Wildlife Other than Waterfowl

VAW-L43R_SMR04A00 — **South Mayo River Middle 1** — PATRICK CO

South Mayo River mainstem from the Town of Stuart water intake downstream to the North Fork South Mayo River confluence.

VA Overall AU Category: **5A**

Use	Impairment	Impairment	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	0.40 MILES	85005	**2004**	**2016**	

Sources:
- Livestock (Grazing or Feeding Operations)
- Municipal (Urbanized High Density Area)
- On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)
- Unspecified Domestic Waste
- Wastes from Pets
- Wildlife Other than Waterfowl

VAW-L43R_SMR05A00 — **South Mayo River Middle 2** — PATRICK CO

South Mayo River mainstem from the WQS natural trout section just upstream of the Stuart water intake downstream to the Town of Stuart intake.

VA Overall AU Category: **5A**

Use	Impairment	Impairment	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	0.49 MILES	85005	**2004**	**2016**	

Sources:
- Livestock (Grazing or Feeding Operations)
- On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)
- Unspecified Domestic Waste
- Wastes from Pets
- Wildlife Other than Waterfowl

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Roanoke and Yadkin River Basins

TMDL Watershed Name: **South Mayo River**

TMDL Group ID: **85005**

VAW-L43R_SMR06A00 **South Mayo River Upper 1** PATRICK CO

South Mayo River mainstem from upstream of the Wilson Creek mouth downstream to the end of the WQS natural trout section located just upstream of the Town of Stuart water intake.

VA Overall AU Category: **5A**

Use	Impairment	4.46 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		85005	**2004**	**2016**	

Sources: Livestock (Grazing or Feeding Operations)
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)
Unspecified Domestic Waste
Wastes from Pets
Wildlife Other than Waterfowl

TMDL Watershed Name: **South Mayo River, Lower, Middle, Upper**

TMDL Group ID: **01708**

VAW-L45R_SMR01A00 **South Mayo River Lower** HENRY CO

South Mayo River mainstem from the upstream ending of the WQS designated public water supply (PWS) section 3f (36°33'25" / 80°02'15") located downstream of unnamed tributary on downstream to VA/NC State Line.

VA Overall AU Category: **5A**

Use	Impairment	4.99 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		01708	**2004**	**2016**	

Sources: Livestock (Grazing or Feeding Operations)
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)
Unspecified Domestic Waste
Wastes from Pets
Wildlife Other than Waterfowl

VAW-L45R_SMR02A00 **South Mayo River Middle** HENRY CO

South Mayo River mainstem from the mouth of an unnamed tributary downstream to the WQS designated public water supply (PWS) section 3f upstream ending (36°33'25" / 80°02'15").

VA Overall AU Category: **5A**

Use	Impairment	0.72 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		01708	**2004**	**2016**	

Sources: Livestock (Grazing or Feeding Operations)
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)
Unspecified Domestic Waste
Wastes from Pets
Wildlife Other than Waterfowl

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Roanoke and Yadkin River Basins

TMDL Watershed Name: **South Mayo River, Lower, Middle, Upper**

TMDL Group ID: **01708**

VAW-L45R_SMR03A00	**South Mayo River Upper**	HENRY CO PATRICK CO	South Mayo River mainstem from the Spoon Creek mouth downstream to an unnamed tributary above the WQS designated public water supply (PWS) section.

VA Overall AU Category: **5A**

Use	Impairment	5.15 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		01708	**2004**	**2016**	

Sources: Livestock (Grazing or Feeding Operations)
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)
Unspecified Domestic Waste
Wildlife Other than Waterfowl

TMDL Watershed Name: **South Prong Sandy River**

TMDL Group ID: **50135**

VAC-L58R_SSP01A06	**South Prong Sandy River**	PITTSYLVANIA CO	From its headwaters to the confluence with Sandy River

VA Overall AU Category: **5A**

Use	Impairment	13.04 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		50135	**2006**	**2018**	

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Roanoke and Yadkin River Basins

TMDL Watershed Name: **Spoon Creek**

TMDL Group ID: **01707**

VAW-L44R_SOO01A00 **Spoon Creek** PATRICK CO Spoon Creek mainstem from an unnamed tributary to Spoon Creek (southeast of Patrick Springs @ 36° 37' 02" / 80° 09' 45") downstream to its confluence with the South Mayo River.

VA Overall AU Category: **5A**

Use	Impairment	7.64 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		01707	**2006**	**2016**	
		Sources:	Livestock (Grazing or Feeding Operations) On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems) Unspecified Domestic Waste Wastes from Pets Wildlife Other than Waterfowl			
Recreation	**Fecal Coliform**		01707	**2004**	**2016**	
		Sources:	Livestock (Grazing or Feeding Operations) On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems) Unspecified Domestic Waste Wastes from Pets Wildlife Other than Waterfowl			

TMDL Watershed Name: **Staunton (Roanoke) River**

TMDL Group ID: **00287**

VAC-L19R_ROA01A00 **Roanoke (Staunton) River** CAMPBELL CO PITTSYLVANIA CO Roanoke (Staunton) River mainstem from the Town of Altavista POTW downstream to the Big Otter River confluence with the Roanoke (Staunton) River.

VA Overall AU Category: **5A**

Use	Impairment	3.76 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		00287	**1998**	**2010**	
		Sources:	Source Unknown			

VAC-L19R_ROA03A00 **Roanoke (Staunton) River** CAMPBELL CO PITTSYLVANIA CO Roanoke (Staunton) River mainstem from the Goose Creek mouth on downstream to the Town of Altavista POTW.

VA Overall AU Category: **5A**

Use	Impairment	6.78 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		00287	**1998**	**2010**	
		Sources:	Source Unknown			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Roanoke and Yadkin River Basins

TMDL Watershed Name: **Staunton (Roanoke) River**

TMDL Group ID: **00287**

VAC-L19R_ROA04A00 — **Roanoke (Staunton) River** — CAMPBELL CO, PITTSYLVANIA CO — Roanoke (Staunton) River mainstem from Leesville Dam downstream to the mouth of Goose Creek.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	3.44 MILES	00287	**2002**	**2010**	

Sources: Source Unknown

VAC-L30R_ROA01A00 — **Roanoke (Staunton) River** — CHARLOTTE CO, HALIFAX CO — Roanoke (Staunton) River mainstem from the Falling River mouth at the Campbell/Charlotte/Halifax County line downstream to the confluence of Childrey Creek.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	2.66 MILES	00287	**2002**	**2010**	

Sources: Source Unknown

VAC-L30R_ROA02A00 — **Roanoke (Staunton) River** — CAMPBELL CO, HALIFAX CO — Roanoke (Staunton) River mainstem from the Brookneal Staunton River POTW downstream to the confluence of Falling River at the Campbell/Charlotte/Halifax County Line.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	2.25 MILES	00287	**2002**	**2010**	

Sources: Source Unknown

VAC-L30R_ROA03A00 — **Roanoke (Staunton) River** — CAMPBELL CO, HALIFAX CO — Roanoke (Staunton) River mainstem from Dan River, Inc. downstream to the Brookneal Staunton River POTW.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.90 MILES	00287	**2002**	**2010**	

Sources: Source Unknown

VAC-L30R_ROA04A00 — **Roanoke (Staunton) River** — CAMPBELL CO, HALIFAX CO — Roanoke (Staunton) River mainstem from Buffalo Creek confluence downstream to Dan River, Inc.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	4.93 MILES	00287	**2002**	**2010**	

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Roanoke and Yadkin River Basins

TMDL Watershed Name: **Staunton (Roanoke) River**

TMDL Group ID: **00287**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAC-L30R_ROA06A00	**Roanoke (Staunton) River**	CAMPBELL CO HALIFAX CO	Roanoke (Staunton) River mainstem from the Big Otter River mouth downstream to the confluence of Buffalo Creek.

VA Overall AU Category:	5A	Impairment	18.16 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Use							
Fish Consumption		**PCB in Fish Tissue**		00287	**2002**	**2010**	

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAC-L36R_ROA01A98	**Roanoke (Staunton) River**	CHARLOTTE CO HALIFAX CO	Childrey Creek to Cub Creek.

VA Overall AU Category:	5A	Impairment	14.03 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Use							
Fish Consumption		**PCB in Fish Tissue**		00287	**2002**	**2010**	

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAC-L38R_ROA02A98	**Roanoke (Staunton) River**	CHARLOTTE CO HALIFAX CO	Cub Creek to Roanoke Creek.

VA Overall AU Category:	5A	Impairment	12.58 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Use							
Fish Consumption		**PCB in Fish Tissue**		00287	**2002**	**2010**	

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAC-L40R_ROA03A98	**Roanoke (Staunton) River**	CHARLOTTE CO	Roanoke Creek to the pipeline crossing approximately 5.4 miles downsteam of the Route 360 bridge.

VA Overall AU Category:	5A	Impairment	10.20 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Use							
Fish Consumption		**PCB in Fish Tissue**		00287	**1998**	**2010**	

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAC-L40R_ROA04A98	**Roanoke (Staunton) River**	CHARLOTTE CO HALIFAX CO	The pipeline crossing about 5.4 miles downstream of the Route 360 bridge to Kerr Reservoir.

VA Overall AU Category:	5A	Impairment	4.49 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Use							
Fish Consumption		**PCB in Fish Tissue**		00287	**1998**	**2010**	

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Roanoke and Yadkin River Basins

TMDL Watershed Name: **Staunton (Roanoke) River**

TMDL Group ID: **00288**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAC-L30R_ROA01A00	**Roanoke (Staunton) River**	CHARLOTTE CO HALIFAX CO	Roanoke (Staunton) River mainstem from the Falling River mouth at the Campbell/Charlotte/Halifax County line downstream to the confluence of Childrey Creek.

VA Overall AU Category: **5A**

Use	Impairment	Impairment	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	2.66 MILES	**Escherichia coli**	00288	**2006**	**2006**	

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAC-L36R_ROA01A98	**Roanoke (Staunton) River**	CHARLOTTE CO HALIFAX CO	Childrey Creek to Cub Creek.

VA Overall AU Category: **5A**

Use	Impairment	Impairment	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	14.03 MILES	**Escherichia coli**	00288	**2006**	**2006**	

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAC-L38R_ROA02A98	**Roanoke (Staunton) River**	CHARLOTTE CO HALIFAX CO	Cub Creek to Roanoke Creek.

VA Overall AU Category: **5A**

Use	Impairment	Impairment	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	12.58 MILES	**Escherichia coli**	00288	**2006**	**2006**	

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAC-L40R_ROA03A98	**Roanoke (Staunton) River**	CHARLOTTE CO	Roanoke Creek to the pipeline crossing approximately 5.4 miles downsteam of the Route 360 bridge.

VA Overall AU Category: **5A**

Use	Impairment	Impairment	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	10.20 MILES	**Escherichia coli**	00288	**2006**	**2006**	

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAC-L40R_ROA04A98	**Roanoke (Staunton) River**	CHARLOTTE CO HALIFAX CO	The pipeline crossing about 5.4 miles downstream of the Route 360 bridge to Kerr Reservoir.

VA Overall AU Category: **5A**

Use	Impairment	Impairment	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	4.49 MILES	**Escherichia coli**	00288	**2006**	**2006**	

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Roanoke and Yadkin River Basins

TMDL Watershed Name: **Stinking River**

TMDL Group ID: **00771**

VAC-L69R_SNE01A00	Stinking River	PITTSYLVANIA CO	Stinking River mainstem from its mouth on the Banister River upstream to the mouth of the North Fork of Stinking River.

VA Overall AU Category: **5A**

Use	Impairment	8.98 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		00771	**2004**	**2016**	

Sources: Source Unknown

TMDL Watershed Name: **Storey Creek**

TMDL Group ID: **00298**

VAW-L14R_SDA01A00	Storey Creek Lower	FRANKLIN CO	Storey Creek mainstem from the Ferrum Water and Sewerage Authority POTW downstream to the Storey Creek mouth on the Pigg River.

VA Overall AU Category: **5A**

Use	Impairment	9.61 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00298	**2006**	**2010**	

Sources: Livestock (Grazing or Feeding Operations)
Municipal (Urbanized High Density Area)
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)
Unspecified Domestic Waste
Wastes from Pets
Wildlife Other than Waterfowl

Recreation	**Fecal Coliform**		00298	**1996**	**2010**	

Sources: Livestock (Grazing or Feeding Operations)
Municipal (Urbanized High Density Area)
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)
Unspecified Domestic Waste
Wastes from Pets
Wildlife Other than Waterfowl

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Roanoke and Yadkin River Basins

TMDL Watershed Name: **Storey Creek**

TMDL Group ID: **00298**

VAW-L14R_SDA02A00	Storey Creek Upper	FRANKLIN CO	Storey Creek mainstem perennial headwaters downstream to the Ferrum Water and Sewerage Authority POTW.

VA Overall AU Category: **5A**

Use	Impairment	1.99 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00298	**2006**	**2010**	
		Sources:	Livestock (Grazing or Feeding Operations) Municipal (Urbanized High Density Area) On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems) Unspecified Domestic Waste Wastes from Pets Wildlife Other than Waterfowl			
Recreation	**Fecal Coliform**		00298	**1996**	**2010**	
		Sources:	Livestock (Grazing or Feeding Operations) Municipal (Urbanized High Density Area) On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems) Unspecified Domestic Waste Wastes from Pets Wildlife Other than Waterfowl			

TMDL Watershed Name: **Straightstone Creek**

TMDL Group ID: **50110**

VAC-L30R_SSC01A02	Straightstone Creek	PITTSYLVANIA CO	Straightstone Creek mainstem from its mouth on the Roanoke (Staunton) River upstream to Little Straightstone Creek

VA Overall AU Category: **5A**

Use	Impairment	8.46 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		50110	**2006**	**2018**	
		Sources:	Source Unknown			

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Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Roanoke and Yadkin River Basins

TMDL Watershed Name: **Suck Creek**

TMDL Group ID: **50118**

VAC-L34R_SUC01A06	Suck Creek	CAMPBELL CO	From its headwaters to the mouth

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	8.34 MILES	50118	**2006**	**2018**	

Sources: Source Unknown

TMDL Watershed Name: **Tardy Creek**

TMDL Group ID: **50134**

VAC-L58R_TRD01A06	Tardy Creek	PITTSYLVANIA CO	From the confluence of Glady Fork to South Prong Sandy River

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	2.85 MILES	50134	**2006**	**2018**	

Sources: Source Unknown

TMDL Watershed Name: **Teels Creek**

TMDL Group ID: **00714**

VAW-L08R_TEL01A00	Teels Creek	FRANKLIN CO	Teel Creek mainstem perennial headwaters downstream to its confluence with Little Creek.

VA Overall AU Category: **5D**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**	4.60 MILES	00714	**2002**	**2014**	

Sources: Livestock (Grazing or Feeding Operations)
Loss of Riparian Habitat
Sediment Resuspension (Clean Sediment)
Streambank Modifications/destablization

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Roanoke and Yadkin River Basins

TMDL Watershed Name: **Teels Creek**

TMDL Group ID: **30103**

VAW-L08R_TEL01A00	Teels Creek	FRANKLIN CO	Teel Creek mainstem perennial headwaters downstream to its confluence with Little Creek.

VA Overall AU Category: **5D**

Use	Impairment	4.60 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		30103	**2004**	**2001**	Category 4A. 12 or more Escherichia coli (E.coli) bacteria samples. Originally 303(d) Listed in 2002 for FC. Middle Blackwater River Bacteria TMDL Study U.S. EPA approved on 12/04/2001; Fed. ID 1887(1889)/9633. SWCB approved 6/17/2004. Bacteria Implementation Plan SWCB approved 6/17/2004. VAW-L08R-06.

Sources:
- Livestock (Grazing or Feeding Operations)
- On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)
- Unspecified Domestic Waste
- Wildlife Other than Waterfowl

TMDL Watershed Name: **Tinker Creek**

TMDL Group ID: **00060**

VAW-L05R_TKR01A00	Tinker Creek Lower	BOTETOURT CO ROANOKE CO	Tinker Creek mainstem from the its confluence with the Roanoke River upstream to the mouth of Carvin Creek.

VA Overall AU Category: **5D**

Use	Impairment	5.35 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00060	**2004**	**2004**	Category 4A. 12 or more Escherichia coli (E.coli) bacteria samples. Originally 303(d) Listed in 1998 for FC. Tinker Creek Bacteria TMDL Study & Allocations- EPA Approved 8/05/2004; Fed ID: 7787. SWCB Approved 12/02/2004. VAW-L05R-01.

Sources:
- Discharges from Municipal Separate Storm Sewer Systems (MS4)
- Livestock (Grazing or Feeding Operations)
- Municipal (Urbanized High Density Area)
- Sanitary Sewer Overflows (Collection System Failures)
- Unspecified Domestic Waste
- Wastes from Pets
- Wildlife Other than Waterfowl

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Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Roanoke and Yadkin River Basins

TMDL Watershed Name: **Tomahawk Creek**

TMDL Group ID: **50502**

VAW-L18R_TMA01A06	Tomahawk Creek	PITTSYLVANIA CO	Tomahawk Creek from its mouth on the Pigg River upstream to above Andersons Mill (36°52'28" / 79°32'15").

VA Overall AU Category: **5A**

Use	Impairment	4.42 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		50502	**2006**	**2018**	
		Sources:	Livestock (Grazing or Feeding Operations) On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems) Unspecified Domestic Waste Wastes from Pets Wildlife Other than Waterfowl			
Recreation	**Fecal Coliform**		50502	**2006**	**2018**	
		Sources:	Livestock (Grazing or Feeding Operations) On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems) Unspecified Domestic Waste Wastes from Pets Wildlife Other than Waterfowl			

TMDL Watershed Name: **Turnip Creek**

TMDL Group ID: **00289**

VAC-L36R_TIP01A00	Turnip Creek	CHARLOTTE CO	Buck Branch to Roanoke River

VA Overall AU Category: **5A**

Use	Impairment	2.70 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00289	**2006**	**2006**	
		Sources:	Source Unknown			

TMDL Group ID: **50120**

VAC-L36R_TIP02A06	Turnip Creek	CHARLOTTE CO	From its headwaters to the confluence with Buck Branch

VA Overall AU Category: **5A**

Use	Impairment	2.00 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		50120	**2006**	**2018**	
		Sources:	Source Unknown			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Roanoke and Yadkin River Basins

TMDL Watershed Name: **Wards Fork Creek**

TMDL Group ID: **00753**

VAC-L39R_WFC01A00	Wards Fork Creek	CHARLOTTE CO	Unnamed tributary at river mile 5.73 to Roanoke Creek.

VA Overall AU Category: **5A**

Use	Impairment	5.73 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		00753	**2002**	**2014**	
		Sources:	Source Unknown			

TMDL Watershed Name: **Whipping Creek**

TMDL Group ID: **50111**

VAC-L30R_WPP01A02	Whipping Creek	CAMPBELL CO	Whipping Creek mainstem from its mouth on the Roanoke (Staunton) River upstream to its headwaters.

VA Overall AU Category: **5A**

Use	Impairment	13.57 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		50111	**2006**	**2018**	
		Sources:	Source Unknown			

TMDL Watershed Name: **Whitehorn Creek**

TMDL Group ID: **00770**

VAC-L68R_WRN01A00	Whitehorn Creek	PITTSYLVANIA CO	Whitehorn Creek mainstem from its mouth upstream to the confluence with Georges Creek

VA Overall AU Category: **5A**

Use	Impairment	10.53 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00770	**2006**	**2014**	
		Sources:	Source Unknown			
Recreation	**Fecal Coliform**		00770	**2002**	**2014**	
		Sources:	Source Unknown			

VAC-L68R_WRN02A06	Whitehorn Creek	PITTSYLVANIA CO	From its headwaters to the confluence with Georges Creek

VA Overall AU Category: **5A**

Use	Impairment	14.20 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00770	**2006**	**2014**	
		Sources:	Source Unknown			
Recreation	**Fecal Coliform**		00770	**2002**	**2014**	
		Sources:	Source Unknown			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Roanoke and Yadkin River Basins

TMDL Watershed Name: **Wilson Creek**

TMDL Group ID: **00295**

VAW-L02R_WLN01A00 **Wilson Creek Lower** MONTGOMERY CO

Wilson Creek mainstem segment extends from WLN02A00 downstream to the Wilson Creek mouth on the North Fork Roanoke River.

VA Overall AU Category: **5A**

Use	Impairment	2.77 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00295	**2004**	**2010**	12 or more Escherichia coli (E.coli) bacteria samples. Draft Roanoke R. March 2006 Bacteria TMDL Study complete and submitted for EPA approval.

Sources: Livestock (Grazing or Feeding Operations)
Municipal (Urbanized High Density Area)
Unspecified Domestic Waste
Wastes from Pets
Wildlife Other than Waterfowl

VAW-L02R_WLN02A00 **Wilson Creek Northern Arm** MONTGOMERY CO

This northern arm extends upstream from mainstem Wilson Creek to the Rt. 114 & Rt. 460 intersection behind major developed area near New River Valley Mall.

VA Overall AU Category: **5A**

Use	Impairment	1.65 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00295	**2004**	**2010**	12 or more Escherichia coli (E.coli) bacteria samples. Draft Roanoke R. March 2006 Bacteria TMDL Study complete and submitted for EPA approval.

Sources: Livestock (Grazing or Feeding Operations)
Municipal (Urbanized High Density Area)
Unspecified Domestic Waste
Wastes from Pets
Wildlife Other than Waterfowl

VAW-L02R_WLN03A00 **Wilson Creek Upper** MONTGOMERY CO

Wilson Creek mainstem segment extends from near Rt. 460/I-81 intersection downstream to intersection of segments WLN02A with WLN01A.

VA Overall AU Category: **5A**

Use	Impairment	2.49 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00295	**2004**	**2010**	12 or more Escherichia coli (E.coli) bacteria samples. Draft Roanoke R. March 2006 Bacteria TMDL Study complete and submitted for EPA approval.

Sources: Livestock (Grazing or Feeding Operations)
Municipal (Urbanized High Density Area)
Unspecified Domestic Waste
Wastes from Pets
Wildlife Other than Waterfowl

Note: * Includes Category 4A and 4C Impairments within each Assessment Unit. Assessment Units may extend across jurisdictional boundaries.

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chowan River and Dismal Swamp Basins

TMDL Watershed Name: **Airfield Pond, Lower, Unnamed Tributary**

TMDL Group ID: **01563**

VAT-K35R_XDZ02A04	UT Airfield Pond - Lower	SUSSEX CO	Willis Branch to Airfield Pond, PRO CAFO special study. Segment starts near Rt 622 downstream to Airfield Pond.

VA Overall AU Category: **5A**

Use	Impairment	1.55 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		01563	**2004**	**2016**	Aquatic Life Use is impaired due to depressed pH concentrations, impairment continued from 2004 IR (segment Class change from III to VII, can not delist previous impairments since current data (7 violates / 10 obs) does not meet previous criteria applicable at time of listing). Impairment is suspected due to natural swamp conditions present in these waters. . Below pH minimum criteria = 6.0 SU

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

TMDL Group ID: **01564**

VAT-K35R_XDZ02A04	UT Airfield Pond - Lower	SUSSEX CO	Willis Branch to Airfield Pond, PRO CAFO special study. Segment starts near Rt 622 downstream to Airfield Pond.

VA Overall AU Category: **5A**

Use	Impairment	1.55 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		01564	**2004**	**2016**	

Sources: Source Unknown

TMDL Group ID: **01565**

VAT-K35R_XDZ02A04	UT Airfield Pond - Lower	SUSSEX CO	Willis Branch to Airfield Pond, PRO CAFO special study. Segment starts near Rt 622 downstream to Airfield Pond.

VA Overall AU Category: **5A**

Use	Impairment	1.55 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01565	**2004**	**2016**	Aquatic Life Use is impaired due to depressed DO concentrations, impairment continued from 2004 IR (segment Class change from III to VII, can not delist previous impairments since current data (5 violates / 10 obs) does not meet previous criteria applicable at time of listing). Impairment is suspected due to natural swamp conditions present in these waters. Below criteria minimum = 4.0 mg/l

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chowan River and Dismal Swamp Basins

TMDL Watershed Name: **Airfield Pond, Upper, Unnamed Tributary**

TMDL Group ID: **01561**

VAT-K35R_XDZ01A04	UT Airfield Pond - Upper	SUSSEX CO	UT (Willis Branch) to Airfield Pond, PRO CAFO special study. Headwaters to half-way between Rt 622 and Rt 729 (approx. RM 1.23) at confluence with UT.

VA Overall AU Category: **5A**

Use	Impairment (1.23 MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	01561	**2004**	**2016**	Aquatic Life Use is impaired due to depressed DO concentrations, impairment continued from 2004 IR (segment Class change from III to VII, can not delist previous impairments since current data (6 violations / 17 obs) does not meet previous criteria applicable at time of listing. Impairment is suspected due to natural swamp conditions present in these waters. Below criteria minimum = 4.0 mg/l

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

TMDL Group ID: **01562**

VAT-K35R_XDZ01A04	UT Airfield Pond - Upper	SUSSEX CO	UT (Willis Branch) to Airfield Pond, PRO CAFO special study. Headwaters to half-way between Rt 622 and Rt 729 (approx. RM 1.23) at confluence with UT.

VA Overall AU Category: **5A**

Use	Impairment (1.23 MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	01562	**2004**	**2016**	Previous impairment (TMDL ID: VAT-K41R-05) based on fecal coliform is retained (13 violates / 16 observations) since insufficient observations (2 violates / 2 observations) to implement the new standard for Ecoli. TMDL due date retained per H. Augustine e-mail 2/6/06.

Sources: Animal Feeding Operations (NPS)
Source Unknown

Recreation	**Fecal Coliform**	01562	**2004**	**2016**	Previous impairment (TMDL ID: VAT-K41R-05) based on fecal coliform is retained (13 violates / 16 observations) since insufficient observations (2 violates / 2 observations) to implement the new standard for Ecoli. TMDL due date retained per H. Augustine e-mail 2/6/06.

Sources: Animal Feeding Operations (NPS)
Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chowan River and Dismal Swamp Basins

TMDL Watershed Name: **Albermarle Canal (upstream of North Landing River)**

TMDL Group ID: **00643**

VAT-K41R_AAC01A06	Albermarle Canal (upstream of North Landing River)	CHESAPEAKE CITY	Albermarle and Chesapeake Canal (Intracoastal Waterway) from Great Bridge Locks downstream to confluence with North Landing R. (RM 13.65).

VA Overall AU Category: **5A**

Use	Impairment	8.73 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		00643	**2002**	**2010**	Monitoring needed. Assessment extrapolated from downstream station (5BNLR013.61) in segment VAT-K41R_NLR02A06. Aquatic Life Use impairment due to low dissolved oxygen concentartions.The cause of the depressed dissolved oxygen concentrations is suspected to be naturally occurring and due to high organic content and stagnant conditions within these waters adjacent to the Intracoastal Waterway. Below criteria minimum = 4.0 mg/l

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

VAT-K41R_NLR02A06	North Landing River - Middle	CHESAPEAKE CITY VIRGINIA BEACH CITY	From confluence with Intracoastal Waterway (RM 13.65) downstream to instream Island (RM 12.01, upstream of confluence of West Neck Creek).

VA Overall AU Category: **5A**

Use	Impairment	8.48 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		00643	**2002**	**2010**	The cause of the depressed dissolved oxygen concentrations is suspected (but can not be confirmed since moderate development in watershed) to be naturally occurring and due to high organic content and stagnant conditions within these waters adjacent to th

Sources: Source Unknown

TMDL Group ID: **01575**

VAT-K41R_AAC01A06	Albermarle Canal (upstream of North Landing River)	CHESAPEAKE CITY	Albermarle and Chesapeake Canal (Intracoastal Waterway) from Great Bridge Locks downstream to confluence with North Landing R. (RM 13.65).

VA Overall AU Category: **5A**

Use	Impairment	8.73 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Chloride**		01575	**2004**	**2016**	Monitoring needed. Assessment extrapolated from downstream station (5BNLR013.61) in segment VAT-K41R_NLR02A06.Aquatic Life and Wildlife Uses impairments related to chloride exceedance of acute criteria (freshwater criteria apply since classified Tidal Freshwater). The cause of the chloride standard exceedance is attributed to naturally occurring conditions of saline water intrusion from downstream estuarine waters (Albemarle Sound, North Carolina). Exceed stream chloride criteria = 860 mg/L

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

Wildlife	**Chloride**		01575	**2004**	**2016**	

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chowan River and Dismal Swamp Basins

TMDL Watershed Name: **Albermarle Canal (upstream of North Landing River)**

TMDL Group ID: **01575**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAT-K41R_NLR02A06	**North Landing River - Middle**	CHESAPEAKE CITY VIRGINIA BEACH CITY	From confluence with Intracoastal Waterway (RM 13.65) downstream to instream Island (RM 12.01, upstream of confluence of West Neck Creek).

VA Overall AU Category: **5A**

Use	Impairment	8.48 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Chloride**		01575	**2006**	**2016**	Aquatic Life and Wildlife Uses impairments related to chloride exceedance of acute criteria (freshwater criteria apply since classified Tidal Freshwater). The cause of the chloride standard exceedance is attributed to naturally occurring conditions of saline water intrusion from downstream estuarine waters (Albemarle Sound, North Carolina).

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

TMDL Watershed Name: **Applewhite Swamp**

TMDL Group ID: **01545**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAT-K27R_APW01A04	**AppleWhite Swamp**	SOUTHAMPTON CO SUSSEX CO	Located south of Mason & northeast of Arringdale. Segment extends from start of swamp (near Harrells Mill) downstream to confluence with Three Creek.

VA Overall AU Category: **5C**

Use	Impairment	7.77 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		01545	**2004**	**2016**	Aquatic Life Use is impaired due to low pH concentrations, impairment continued from 2004 IR (segment Class change from III to VII, can not delist previous impairment since current (2 violates / 2 obs.; criteria pH > 6.0) data does not meet previous criteria applicable at time of listing). Impairment is suspected due to naturally acidic swamp conditions present in these waters.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

TMDL Watershed Name: **Ashville Bridge Creek - Lower**

TMDL Group ID: **76062**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAT-K42E_ASH01A06	**Ashville Bridge Creek - Lower**	VIRGINIA BEACH CITY	Lower portion of Ashville Br. Cr., between Hell Point and Muddy Creeks

VA Overall AU Category: **5A**

Use	Impairment	0.00 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		76062	**2006**	**2018**	Source of low dissolved oxygen is probably natural conditions from low flow swamp conditions in upstream area with high organic inputs and tannic acid conditions. This is an area of hardwood swamp/wetlands where low dissolved oxygen levels and low pH can naturally occur due to high organic matter content, tannic acid conditions and low flow velocities.

Sources: Natural Sources

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chowan River and Dismal Swamp Basins

TMDL Watershed Name: **Ashville Bridge Creek - Lower**

TMDL Group ID: **76063**

VAT-K42E_ASH01A06	Ashville Bridge Creek - Lower	VIRGINIA BEACH CITY	Lower portion of Ashville Br. Cr., between Hell Point and Muddy Creeks

VA Overall AU Category: **5A**

Use	Impairment	0.00 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		76063	**2006**	**2018**	Source of low pH is probably natural conditions from low flow swamp conditions in upstream area with high organic inputs and tannic acid conditions. This is an area of hardwood swamp/wetlands where low pH can naturally occur due to high organic matter content, tannic acid conditions and low flow velocities.

Sources: Natural Sources

TMDL Group ID: **76064**

VAT-K42E_ASH01A06	Ashville Bridge Creek - Lower	VIRGINIA BEACH CITY	Lower portion of Ashville Br. Cr., between Hell Point and Muddy Creeks

VA Overall AU Category: **5A**

Use	Impairment	0.00 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Enterococcus**		76064	**2006**	**2018**	
		Sources: Source Unknown				
Recreation	**Fecal Coliform**		76064	**2006**	**2018**	
		Sources: Source Unknown				

TMDL Watershed Name: **Assamoosick, Seacorrie, German, Pigeon Swamps**

TMDL Group ID: **00484**

VAP-K29R_GMN01A02	German Swamp	SUSSEX CO	The mainstem of German Swamp.

VA Overall AU Category: **5A**

Use	Impairment	3.65 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		00484	**1998**	**2010**	VAP-K29R-01 During the 2006 cycle, the Assamoosick Swamp watershed has been reclassified as Class VII swampwaters and the applicable pH criteria has been adjusted to 4.3 -9.0 SU. The DO criteria specific for swampwaters has not been developed yet. German Swamp was reassessed against the new pH criteria, but has an unacceptable violation rate of 7/20 at 5AGMN003.19. Although believed to be a natural condition in this relatively pristine headwater stream, the segment must be assessed as Cat. 5C. The segment remains impaired for DO as a Cat 4C until the new criteria are developed.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chowan River and Dismal Swamp Basins

TMDL Watershed Name: **Assamoosick, Seacorrie, German, Pigeon Swamps**

TMDL Group ID: **00498**

VAP-K29R_ASM01A98 **Assamoosick Swamp** SOUTHAMPTON CO, SUSSEX CO — Headwaters to Route 607 bridge.

VA Overall AU Category: **5A**

Use	Impairment	11.88 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		00498	**2002**	**2010**	VAP-K29R-01

In 1998, the entire mainstem of Assamoosick Swamp (23.8 miles) was assessed fully supporting but threatened of the Recreation Use. The segment was later identified to Virginia for listing consideration (station 5AASM013.36). The segment was downgraded in 2002, therefore the TMDL is due in 2010. In 2002 Black Swamp, Seacorrie Swamp, XDW, and XDX were also considered impaired of the Recreation Use. These TMDLs are due in 2014. In 2004, German Swamp was added to the impairment. This TMDL is due in 2016. During the 2006 cycle, several E. coli impairments were added in the watershed; these bacteria impairments have the same TMDL due date as the original FC impairments.

Note: the fecal coliform impairment of Assamoosick Swamp was shortened in the year 2002 cycle to end at the Route 607 bridge. There continues to be acceptable fecal coliform levels in this downstream portion (0/3 at 5AASM003.00, 0/13 at 5AASM000.89).

Sources: Source Unknown

VAP-K29R_XDW01A02 **UT to Assamoosick Swamp** SUSSEX CO — UT to Assamoosick Swamp

VA Overall AU Category: **5A**

Use	Impairment	2.05 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00498	**2006**	**2014**	VAP-K29R-01

E. coli was added as an impairment in 2006, but the fecal coliform TMDL due date was maintained.

Sources: Animal Feeding Operations (NPS)
Source Unknown

Recreation	**Fecal Coliform**		00498	**2002**	**2014**	VAP-K29R-01

E. coli was added as an impairment in 2006, but the fecal coliform TMDL due date was maintained.

Sources: Animal Feeding Operations (NPS)
Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chowan River and Dismal Swamp Basins

TMDL Watershed Name: **Assamoosick, Seacorrie, German, Pigeon Swamps**

TMDL Group ID: **01361**

VAP-K29R_GMN01A02 **German Swamp** SUSSEX CO The mainstem of German Swamp.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	3.65 MILES	01361	**2004**	**2016**	VAP-K29R-01

In 1998, the entire mainstem of Assamoosick Swamp (23.8 miles) was assessed fully supporting but threatened of the Recreation Use. The segment was later identified to Virginia for listing consideration (station 5AASM013.36). The segment was downgraded in 2002, therefore the TMDL is due in 2010. In 2002 Black Swamp, Seacorrie Swamp, XDW, and XDX were also considered impaired of the Recreation Use. These TMDLs are due in 2014. In 2004, German Swamp was added to the impairment. This TMDL is due in 2016. During the 2006 cycle, several E. coli impairments were added in the watershed; these bacteria impairments have the same TMDL due date as the original FC impairments.

During the 2006 cycle, German Swamp had fecal coliform violation rates of 5/12 and 13/22 at stations 5AGMN000.54 and 5AGMN003.19, respectively.

Sources: Animal Feeding Operations (NPS)
Source Unknown

TMDL Watershed Name: **Beggars Bridge Creek**

TMDL Group ID: **01580**

VAT-K42E_BBC01A04 **Beggars Bridge Creek** VIRGINIA BEACH CITY Located southeast of Dawley Corners, tributary to Shipps Bay. Segment begins at the confluence of numerous unnamed tributaries (RM 1.34) near Dawley Corners and extends downstream to the mouth at the confluence with Shipps Bay.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Enterococcus**	0.03 SQUARE MILES	01580	**2006**	**2016**	Previous impairment based on fecal coliform is replaced by the new standard for Enterococcus, effective with attainment of observation minimum (4 violates / 15 observations). TMDL due date retained per H. Augustine e-mail 2/6/06.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chowan River and Dismal Swamp Basins

TMDL Watershed Name: **Big Juniper Creek**

TMDL Group ID: **50102**

VAC-K02R_BJC01A98	Big Juniper Creek	LUNENBERG CO	Little Juniper Creek to mouth.

VA Overall AU Category: **5A**

Use	Impairment	6.56 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		50102	**2006**	**2018**	

Sources: Source Unknown

TMDL Watershed Name: **Black Swamp**

TMDL Group ID: **01360**

VAP-K29R_BLS01A00	Black Swamp	SUSSEX CO	Headwaters to Assamoosick Swamp.

VA Overall AU Category: **5A**

Use	Impairment	3.77 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		01360	**2002**	**2014**	VAP-K29R-01

In 1998, the entire mainstem of Assamoosick Swamp (23.8 miles) was assessed fully supporting but threatened of the Recreation Use. The segment was later identified to Virginia for listing consideration (station 5AASM013.36). The segment was downgraded in 2002, therefore the TMDL is due in 2010. In 2002 Black Swamp, Seacorrie Swamp, XDW, and XDX were also considered impaired of the Recreation Use. These TMDLs are due in 2014. In 2004, German Swamp was added to the impairment. This TMDL is due in 2016. During the 2006 cycle, several E. coli impairments were added in the watershed; these bacteria impairments have the same TMDL due date as the original FC impairments.

No new data has been collected since 2001, therefore the fecal coliform impairment has been carried over.

Sources: Source Unknown

TMDL Watershed Name: **Blackwater Creek**

TMDL Group ID: **76059**

VAT-K41R_BKW01A00	Blackwater Creek	CHESAPEAKE CITY	Blackwater Creek from headwaters at RM 3.2 to confluence with North Landing River Rm 0.0.

VA Overall AU Category: **5A**

Use	Impairment	4.41 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		76059	**2006**	**2018**	Recreation Use impaired due to Ecoli concentrations exceeding the swimming indicator criteria.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chowan River and Dismal Swamp Basins

TMDL Watershed Name: **Blackwater River**

TMDL Group ID: **00500**

VAP-K32R_BLW01B98 **Blackwater River** SURRY CO, SUSSEX CO — Warwick Swamp to Cypress Swamp

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	16.64 MILES	00500	**2006**	**2014**	VAP-K32R-01

The segment was assessed not supporting of the Recreation Use based on fecal coliform violations at 5ABLW074.66. The Recreation Use impairment was first listed in 2002, therefore the fecal coliform TMDL is not due until 2014. During the 2006 cycle, the fecal coliform violation rate was acceptable, however the segment was considered impaired for E. coli based on a violation rate of 2/9 at 5ABLW058.22 and 3/9 at 5ABLW074.66. The FC impairment was changed to E. coli, and the original TMDL due date was maintained.

Sources: Source Unknown

VAP-K32R_BLW02B98 **Blackwater River** SURRY CO, SUSSEX CO — Route 31 to Cypress Swamp

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	7.91 MILES	00500	**2006**	**2014**	VAP-K32R-01

The segment was assessed not supporting of the Recreation Use based on a fecal coliform violations 5ABLW074.66. The Recreation Use impairment was first listed in 2002, therefore the fecal coliform TMDL is not due until 2014. During the 2006 cycle, the fecal coliform violation rate was acceptable, however the segment was considered impaired for E. coli based on a violation rate of 2/9 at 5ABLW058.22 and 3/9 at 5ABLW074.66. The FC impairment was changed to E. coli, and the original TMDL due date was maintained.

Sources: Source Unknown

TMDL Group ID: **00639**

VAT-K36R_BLW02A06 **Blackwater River - Middle** ISLE OF WIGHT CO, SOUTHAMPTON CO — From end of tidal influence, RM 22.80 (downstream of Rt 611, Joyner Br.) downstream to RM 12.62 (downstream of Franklin, confluence of UT,parallel to Hayden High School).

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	9.77 MILES	00639	**1996**	**2010**	Aquatic Life Use is impaired due to depressed DO concentrations. Impairment is suspected due to natural low velocity and high organic conditions present in these types of blackwater streams. Impairment does occur within area of town of Franklin and STP discharge zone. Below criteria minimum = 4.0 mg/l. PReP data indicates numerous sewage discharges in this and downstream segment.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed
Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chowan River and Dismal Swamp Basins

TMDL Watershed Name: **Blackwater River**

TMDL Group ID: **00639**

VAT-K36R_BLW02B06 **Blackwater River - Lower Middle** ISLE OF WIGHT CO SOUTHAMPTON CO From RM 12.62 (downstream of Franklin, confluence of UT,parallel to Hayden High School) downstream to RM10.2 (Rt 58 Bypass crossing).

VA Overall AU Category: **5A**

Use	Impairment	4.26 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		00639	**2006**	**2010**	Aquatic Life Use is impaired due to depressed DO concentrations. Impairment is suspected due to natural low velocity and high organic conditions present in these types of blackwater waters. Below criteria minimum = 4.0 mg/l. PReP data indicates numerous sewage discharges in this and upstream segment.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed
Source Unknown

VAT-K36R_BLW02C06 **Blackwater River - Lower** ISLE OF WIGHT CO SOUTHAMPTON CO From RM 10.2 (Rt 58 Bypass crossing) downstream to RM 3.36 (at Cherry Grove).

VA Overall AU Category: **5A**

Use	Impairment	7.41 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		00639	**2006**	**2010**	Aquatic Life Use is impaired due to depressed DO concentrations. Impairment is suspected due to natural low velocity and high organic conditions present in these types of blackwater waters. Below criteria minimum = 4.0 mg/l

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed
Source Unknown

VAT-K36R_BLW02D06 **Blackwater River - Mouth** ISLE OF WIGHT CO SOUTHAMPTON CO Blackwater River from RM 3.35 (at Cherry Grove) downstream to VA/NC state line (RM 0.00) .

VA Overall AU Category: **5A**

Use	Impairment	3.80 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		00639	**2004**	**2010**	Aquatic Life Use is impaired due to depressed DO concentrations. Impairment is suspected due to natural low velocity and high organic conditions present in these types of blackwater waters. Below criteria minimum = 4.0 mg/l

Sources: Municipal Point Source Discharges
Natural Conditions - Water Quality Standards Use Attainability Analyses Needed
Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chowan River and Dismal Swamp Basins

TMDL Watershed Name: **Blackwater River**

TMDL Group ID: **01566**

VAT-K33R_BLW02A04 — **Blackwater River - Lower** — ISLE OF WIGHT CO, SOUTH BOSTON CITY

Lower portion of Blackwater River within watershed, from Rt 460 bridge crossing, RM 40.22) downstream to boundary of watershed 0.22 miles downstream of confluence with Antioch Swamp (RM 35.22). Within VDH fish tissue Hg Advisory.

VA Overall AU Category: **5A**

Use	Impairment	8.10 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**Mercury in Fish Tissue**		01566	**2004**	**2016**	The Fish Consumption Use is impaired due to a VDH fish consumption advisory (Issued 10/29/03; modified 7/27/05 due to Hg contaminant in fish tissue data). Blackwater mainstem is included in the advisory stipulating no more than two meals/month of the following species: Largemouth Bass, Redear Sunfish, Bowfin, White Catfish, Redhorse Sucker and Longnose Gar.

Sources: Source Unknown

VAT-K36R_BLW01A00 — **Blackwater River - Uppermost (PWS)** — ISLE OF WIGHT CO, SOUTHAMPTON CO

From start of watershed at RM 35.21 (downstream of confluence with Antioch Swamp) downstream to RM 27.84 (Aquaduct crossing SE of Burdette, end of PWS). PWS area for Norfolk intake.

VA Overall AU Category: **5A**

Use	Impairment	7.01 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**Mercury in Fish Tissue**		01566	**2004**	**2016**	The Fish Consumption Use is impaired due to a VDH fish consumption advisory (Issued 10/29/03; modified 7/27/05 due to Hg contaminant in fish tissue data). This advisory extends from State Rt 460 at Zuni downstream approximately 40 miles to the Virinia/North Carolina state line. Blackwater mainstem is included in the advisory stipulating no more than two meals/month of the following species: Largemouth Bass, Redear Sunfish, Bowfin, White Catfish, Redhorse Sucker and Longnose Gar.

Sources: Source Unknown

VAT-K36R_BLW01B00 — **Blackwater River - Upper** — ISLE OF WIGHT CO, SOUTHAMPTON CO

From RM 27.84 (Aquaduct crossing SE of Burdette, end of PWS upstream) downstream to end of tidal influence, RM 22.84 (Rt 611, Joyner Br.) Outside (downstream) of PWS

VA Overall AU Category: **5A**

Use	Impairment	6.21 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**Mercury in Fish Tissue**		01566	**2004**	**2016**	The Fish Consumption Use is impaired due to a VDH fish consumption advisory (Issued 10/29/03; modified 7/27/05 due to Hg contaminant in fish tissue data). This advisory extends from State Rt 460 at Zuni downstream approximately 40 miles to the Virginia/North Carolina state line. The Blackwater River mainstem is included in the advisory, stipulating no more than two meals/month of the following species: Largemouth Bass, Redear Sunfish, Bowfin, White Catfish, Redhorse Sucker and Longnose Gar.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chowan River and Dismal Swamp Basins

TMDL Watershed Name: **Blackwater River**

TMDL Group ID: **01566**

VAT-K36R_BLW02A06 **Blackwater River - Middle** ISLE OF WIGHT CO SOUTHAMPTON CO

From end of tidal influence, RM 22.80 (downstream of Rt 611, Joyner Br.) downstream to RM 12.62 (downstream of Franklin, confluence of UT,parallel to Hayden High School).

VA Overall AU Category: **5A**

Use	Impairment	9.77 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**Mercury in Fish Tissue**		01566	**2004**	**2016**	The Fish Consumption Use is impaired due to a VDH fish consumption advisory (Issued 10/29/03; modified 7/27/05 due to Hg contaminant in fish tissue data). This advisory extends from State Rt 460 at Zuni downstream approximately 40 miles to the Virginia/North Carolina state line. The Blackwater River mainstem is included in the advisory, stipulating no more than two meals/month of the following species: Largemouth Bass, Redear Sunfish, Bowfin, White Catfish, Redhorse Sucker and Longnose Gar.

Sources: Source Unknown

VAT-K36R_BLW02B06 **Blackwater River - Lower Middle** ISLE OF WIGHT CO SOUTHAMPTON CO

From RM 12.62 (downstream of Franklin, confluence of UT,parallel to Hayden High School) downstream to RM10.2 (Rt 58 Bypass crossing).

VA Overall AU Category: **5A**

Use	Impairment	4.26 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**Mercury in Fish Tissue**		01566	**2006**	**2016**	The Fish Consumption Use is impaired due to a VDH fish consumption advisory (Issued 10/29/03; modified 7/27/05 due to Hg contaminant in fish tissue data). This advisory extends from State Rt 460 at Zuni downstream approximately 40 miles to the Virinia/North Carolina state line. The Blackwater River mainstem is included in the advisory, stipulating no more than two meals/month of the following species: Largemouth Bass, Redear Sunfish, Bowfin, White Catfish, Redhorse Sucker and Longnose Gar.

Sources: Source Unknown

VAT-K36R_BLW02C06 **Blackwater River - Lower** ISLE OF WIGHT CO SOUTHAMPTON CO

From RM 10.2 (Rt 58 Bypass crossing) downstream to RM 3.36 (at Cherry Grove).

VA Overall AU Category: **5A**

Use	Impairment	7.41 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**Mercury in Fish Tissue**		01566	**2006**	**2016**	The Fish Consumption Use is impaired due to a VDH fish consumption advisory (Issued 10/29/03; modified 7/27/05 due to Hg contaminant in fish tissue data). This advisory extends from State Rt 460 at Zuni downstream approximately 40 miles to the Virinia/North Carolina state line. The Blackwater River mainstem is included in the advisory, stipulating no more than two meals/month of the following species: Largemouth Bass, Redear Sunfish, Bowfin, White Catfish, Redhorse Sucker and Longnose Gar.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chowan River and Dismal Swamp Basins

TMDL Watershed Name: **Blackwater River**

TMDL Group ID: **01566**

VAT-K36R_BLW02D06	Blackwater River - Mouth	ISLE OF WIGHT CO SOUTHAMPTON CO	Blackwater River from RM 3.35 (at Cherry Grove) downstream to VA/NC state line (RM 0.00) .

VA Overall AU Category: **5A**

Use	Impairment	3.80 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**Mercury in Fish Tissue**		01566	**2004**	**2016**	VDH fish consumption advisory (Issued 10/29/03; modified 7/27/05 due to Hg contaminant in fish tissue data). This advisory extends from State Rt 460 at Zuni downstream approximately 40 miles to the Virinia/North Carolina state line.

Sources: Source Unknown

TMDL Group ID: **10049**

VAP-K32R_BLW02B98	Blackwater River	SURRY CO SUSSEX CO	Route 31 to Cypress Swamp

VA Overall AU Category: **5A**

Use	Impairment	7.91 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**Mercury in Fish Tissue**		10049	**2006**	**2018**	VAP-K32R-13 The Blackwater River from Route 31 near Dendron downstream to the Virginia-North Carolina state line is assessed as impaired of the Fish Consumption Use due to a VDH fish consumption advisory.

Sources: Atmospheric Deposition - Toxics
Source Unknown

TMDL Watershed Name: **Blackwater River - Lower Middle**

TMDL Group ID: **76051**

VAT-K36R_BLW02B06	Blackwater River - Lower Middle	ISLE OF WIGHT CO SOUTHAMPTON CO	From RM 12.62 (downstream of Franklin, confluence of UT,parallel to Hayden High School) downstream to RM10.2 (Rt 58 Bypass crossing).

VA Overall AU Category: **5A**

Use	Impairment	4.26 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		76051	**2006**	**2018**	Exceedance indicated in three stations, with 2 violations in 14 observations. PReP data indicates numerous sewage discharges in this and upstream segment.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chowan River and Dismal Swamp Basins

TMDL Watershed Name: **Blackwater River - Upper**

TMDL Group ID: **76049**

VAT-K33R_BLW01A00	Blackwater River - Upper	ISLE OF WIGHT CO SOUTHAMPTON CO	Upper portion of Blackwater R. in K33. Starts at upstream boundary of watershed (Rt 620 crossing near Walls Bridge, RM 57.2) downstream to above Rt 460 crossing @ Zuni (RM 40.23).

VA Overall AU Category: **5A**

Use	Impairment	19.12 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**Mercury in Fish Tissue**		76049	**2006**	**2018**	The Fish Consumption Use is impaired due to a VDH fish consumption advisory (Issued 10/29/03; modified 7/27/05 due to Hg contaminant in fish tissue data). This advisory extends from State Rt 460 at Zuni downstream approximately 40 miles to the Virginia/North Carolina state line. The Blackwater River mainstem is included in the advisory, stipulating no more than two meals/month of

Sources: Source Unknown

TMDL Group ID: **76052**

VAT-K36R_BLW01B00	Blackwater River - Upper	ISLE OF WIGHT CO SOUTHAMPTON CO	From RM 27.84 (Aquaduct crossing SE of Burdette, end of PWS upstream) downstream to end of tidal influence, RM 22.84 (Rt 611, Joyner Br.) Outside (downstream) of PWS

VA Overall AU Category: **5A**

Use	Impairment	6.21 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		76052	**2006**	**2018**	

Sources: Source Unknown

TMDL Watershed Name: **Blackwater River, Upper**

TMDL Group ID: **01551**

VAT-K33R_BLW01A00	Blackwater River - Upper	ISLE OF WIGHT CO SOUTHAMPTON CO	Upper portion of Blackwater R. in K33. Starts at upstream boundary of watershed (Rt 620 crossing near Walls Bridge, RM 57.2) downstream to above Rt 460 crossing @ Zuni (RM 40.23).

VA Overall AU Category: **5A**

Use	Impairment	19.12 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01551	**2002**	**2010**	Below criteria minimum = 4.0 mg/l

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed
Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chowan River and Dismal Swamp Basins

TMDL Watershed Name: **Blackwater River, Upper**

TMDL Group ID: **01551**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAT-K33R_BLW02A04	**Blackwater River - Lower**	ISLE OF WIGHT CO SOUTH BOSTON CITY	Lower portion of Blackwater River within watershed, from Rt 460 bridge crossing, RM 40.22) downstream to boundary of watershed 0.22 miles downstream of confluence with Antioch Swamp (RM 35.22). Within VDH fish tissue Hg Advisory.

VA Overall AU Category: **5A**

Use	Impairment	8.10 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01551	**1996**	**2010**	Aquatic Life Use is impaired due to depressed DO concentrations, impairment continued from 2004 IR (segment Class change from III to VII, can not delist previous impairments since current data (5 violates / 40 obs.= 12.5%) does not meet previous criteria applicable at time of listing). Impairment is suspected due to natural swamp conditions present in these waters. Below criteria minimum = 4.0 mg/l

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

TMDL Watershed Name: **Blackwater Swamp**

TMDL Group ID: **01366**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-K31R_BKR01A98	**Blackwater Swamp**	PETERSBURG CITY SUSSEX CO	Headwaters to mouth.

VA Overall AU Category: **5A**

Use	Impairment	22.53 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		01366	**2006**	**2014**	VAP-K31R-01 An E. coli impairment was added in 2006, but the original fecal coliform TMDL due date is maintained.

Sources: Source Unknown

Use	Impairment	22.53 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		01366	**2002**	**2014**	VAP-K31R-01 An E. coli impairment was added in 2006, but the original fecal coliform TMDL due date is maintained.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chowan River and Dismal Swamp Basins

TMDL Watershed Name: **Brantley Swamp, Lower**

TMDL Group ID: **01555**

VAT-K35R_BNT01A04	Brantley Swamp - Lower	SOUTHAMPTON CO	Located northeast of Pulleys Crossroads. Segment from confluence with Lightwood Swamp downstream to confluence with Seacock Swamp.

VA Overall AU Category: **5C**

Use	Impairment	3.52 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01555	**2004**	**2016**	Aquatic Life Use is impaired due to depressed DO & pH concentrations, impairment continued from 2004 IR (segment Class change from III to VII, can not delist previous impairments since current data (6 violates / 12 obs.) does not meet previous criteria applicable at time of listing). Impairment is suspected due to natural swamp conditions present in these waters. Below criteria minimum = 4.0 mg/l

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

TMDL Group ID: **01556**

VAT-K35R_BNT01A04	Brantley Swamp - Lower	SOUTHAMPTON CO	Located northeast of Pulleys Crossroads. Segment from confluence with Lightwood Swamp downstream to confluence with Seacock Swamp.

VA Overall AU Category: **5C**

Use	Impairment	3.52 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		01556	**2004**	**2016**	Aquatic Life Use is impaired due to depressed pH concentrations, impairment continued from 2004 IR (segment Class change from III to VII, can not delist previous impairments since current data (6 violates / 12 obs.) does not meet previous criteria applicable at time of listing). Impairment is suspected due to natural swamp conditions present in these waters. Below pH minimum criteria = 6.0 SU.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

TMDL Watershed Name: **Briery Branch**

TMDL Group ID: **01308**

VAP-K05R_BRY01A02	Briery Branch	BRUNSWICK CO	Headwaters to mouth

VA Overall AU Category: **5A**

Use	Impairment	4.00 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		01308	**2004**	**2016**	VAP-K05R-03 The segment was assessed in 2004 as not supporting of the Recreation use support goal based on a fecal coliform violation rate of 4/12 at 5A-PL-GR-B, a Confined Animal Feeding Operation special study station. There has been no additional sampling since 2000, therefore the impairment has been carried over into the 2006 cycle.

Sources: Animal Feeding Operations (NPS)
Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chowan River and Dismal Swamp Basins

TMDL Watershed Name: **Broad Branch**

TMDL Group ID: **50104**

VAC-K03R_BRD01A06	**Broad Branch**	LUNENBERG CO	From its headwaters to the mouth

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	3.48	MILES	50104	**2006**	**2018**	

Sources: Source Unknown

TMDL Watershed Name: **Brunswick Lake (County Pond)**

TMDL Group ID: **10006**

VAP-K08L_RDC01A98	**Brunswick Lake (County Pond)**	BRUNSWICK CO	VDGIF lake on Reedy Creek.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**	150.00	ACRES	10006	**2006**	**2018**	VAP-K08L-02 Brunswick Lake was assessed as not supporting the Aquatic Life Use due to pH violations and low dissolved oxygen in bottom waters. The low DO only occurred during periods of stratification, however the TSIs for the lake were above 60: TSI(TP) = 64 TSI(CA) = 69 TSI(SD) = 66 Therefore the low dissolved oxygen in considered to be exacerbated by excessive nutrients and a TMDL is required. In addition, both total phosphorus and chlorophyll a are considered observed effects b/c of screening level exceedances. The lake should be reevaluated once nutrient criteria are established. New impairment 2006

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chowan River and Dismal Swamp Basins

TMDL Watershed Name: **Brunswick Lake (County Pond)**

TMDL Group ID: **10007**

VAP-K08L_RDC01A98	Brunswick Lake (County Pond)	BRUNSWICK CO	VDGIF lake on Reedy Creek.

VA Overall AU Category: **5A**

Use	Impairment	150.00 ACRES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		10007	**2006**	**2018**	VAP-K08L-02 Brunswick Lake was assessed as not supporting the Aquatic Life Use due to pH violations and low dissolved oxygen in bottom waters. The low DO only occurred during periods of stratification, however the TSIs for the lake were above 60: TSI(TP) = 64 TSI(CA) = 69 TSI(SD) = 66 Therefore the low dissolved oxygen in considered to be exacerbated by excessive nutrients and a TMDL is required. In addition, both total phosphorus and chlorophyll a are considered observed effects b/c of screening level exceedances. The lake should be reevaluated once nutrient criteria are established. New impairment in 2006

Sources: Changes in Ordinary Stratification and Bottom Water Hypoxia/Anoxia

TMDL Watershed Name: **Buckhorn Creek**

TMDL Group ID: **00670**

VAT-K37R_XDN01A00	Buckhorn Creek	SOUTHAMPTON CO	All of Northern Branch of Buckhorn Creek (within Virginia).

VA Overall AU Category: **5C**

Use	Impairment	1.98 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		00670	**1998**	**2010**	No data was collected within this watershed during the current assessment period (1/1/2000 thru 12/31/2004). Aquatic Life Use impaired due to depressed pH & DO concentrations, impairment continued from 2004 IR (segment Class change from III to VII, can not delist previous impairments since current data does not meet previous criteria applicable at time of listing). Impairment is suspected due to natural swamp conditions present in these waters. Below pH minimum criteria = 6.0 SU.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chowan River and Dismal Swamp Basins

TMDL Watershed Name: **Buckhorn Creek**

TMDL Group ID: **01742**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAT-K37R_XDN01A00	**Buckhorn Creek**	SOUTHAMPTON CO	All of Northern Branch of Buckhorn Creek (within Virginia).

VA Overall AU Category: **5C**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	1.98 MILES	01742	**1998**	**2010**	No data was collected within this watershed during the current assessment period (1/1/2000 thru 12/31/2004). Aquatic Life Use impaired due to depressed pH & DO concentrations, impairment continued from 2004 IR (segment Class change from III to VII, can not delist previous impairments since current data does not meet previous criteria applicable at time of listing). Impairment is suspected due to natural swamp conditions present in these waters. Below criteria minimum = 4.0 mg/l.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

TMDL Watershed Name: **Buckskin Creek**

TMDL Group ID: **01339**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-K19R_BSK01A00	**Buckskin Creek**	DINWIDDIE CO	Headwaters to mouth.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	11.86 MILES	01339	**2004**	**2016**	VAP-K19R-03 The segment was assessed as not supporting the Recreation Use goal based on a fecal coliform violation rate of 3/12 at 5ABSK004.32.

Sources: Source Unknown

TMDL Watershed Name: **Carys Creek**

TMDL Group ID: **50105**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAC-K15R_CRY01A06	**Carys Creek**	NOTTOWAY CO	Carys Creek from its headwaters to the mouth

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	6.06 MILES	50105	**2006**	**2018**	

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chowan River and Dismal Swamp Basins

TMDL Watershed Name: **Cattail Creek**

TMDL Group ID: **01319**

VAP-K11R_CTT01A02	Cattail Creek	GREENSVILLE CO	Headwaters to Collier Branch

VA Overall AU Category: **5A**

Use	Impairment	6.42 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		01319	**2002**	**2014**	VAP-K11R-03

The segment was assessed in 2004 as not supporting the Aquatic Life Use because of violations at two locations. The TMDLs are due in 2014.
The violation rates were: pH 4/16 at the Rt. 633 bridge (5ACTT005.89/PL-15A); DO 3/16, pH 4/16 at the Route 632 bridge (5ACTT002.73/PL-15B)

These stations are confined animal feeding operation (CAFO) special study stations.

Because monitoring has not occurred since 2002, the 2004 assessment was carried over to 2006.

Sources: Source Unknown

TMDL Group ID: **01320**

VAP-K11R_CTT01A02	Cattail Creek	GREENSVILLE CO	Headwaters to Collier Branch

VA Overall AU Category: **5A**

Use	Impairment	6.42 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		01320	**2004**	**2016**	VAP-K11R-03

Beginning in the 2004 cycle, the segment was also assessed as not supporting of the Recreation Use goal based on a fecal coliform violation rate of 3/17 and 5/17 at 5ACTT005.89 and 5ACTT002.73, respectively. The TMDL is due in 2016.

These stations are confined animal feeding operation (CAFO) special study stations.

Because monitoring has not occurred since 2002, the 2004 assessment was carried over to 2006.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chowan River and Dismal Swamp Basins

TMDL Watershed Name: **Cattail Creek**

TMDL Group ID: **01321**

VAP-K11R_CTT01A02	Cattail Creek	GREENSVILLE CO	Headwaters to Collier Branch

VA Overall AU Category: **5A**

Use	Impairment	6.42 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01321	**2002**	**2014**	VAP-K11R-03 The segment was assessed in 2004 as not supporting the Aquatic Life Use because of violations at two locations. The TMDLs are due in 2014. The violation rates were: pH 4/16 at the Rt. 633 bridge (5ACTT005.89/PL-15A); DO 3/16, pH 4/16 at the Route 632 bridge (5ACTT002.73/PL-15B) These stations are confined animal feeding operation (CAFO) special study stations. Because monitoring has not occurred since 2002, the 2004 assessment was carried over to 2006.

Sources: Source Unknown

TMDL Watershed Name: **Chapel Swamp**

TMDL Group ID: **01568**

VAT-K38R_CHP01A04	Chapel Swamp	SUFFOLK CITY	Northern tributary of Somerton Creek. Located east of Cleopus.

VA Overall AU Category: **5C**

Use	Impairment	8.19 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01568	**2004**	**2016**	Aquatic Life Use impaired due to depressed pH & DO concentrations, impairment continued from 2004 IR (segment Class change from III to VII, can not delist previous impairments since current data does not meet previous criteria (4/9) applicable at time of listing). Impairment is suspected due to natural swamp conditions present in these waters. Below criteria minimum = 4.0 mg/l.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chowan River and Dismal Swamp Basins

TMDL Watershed Name: **Chapel Swamp**

TMDL Group ID: **01569**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAT-K38R_CHP01A04	**Chapel Swamp**	SUFFOLK CITY	Northern tributary of Somerton Creek. Located east of Cleopus.

VA Overall AU Category: **5C**

Use	Impairment	8.19 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		01569	**2004**	**2016**	Aquatic Life Use impaired due to depressed pH concentrations, impairment continued from 2004 IR (segment Class change from III to VII, can not delist previous impairments since current data does not meet previous criteria (4/9) applicable at time of listing). Impairment is suspected due to natural swamp conditions present in these waters. Below pH minimum criteria = 6.0 SU.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

TMDL Watershed Name: **Coppahaunk Swamp**

TMDL Group ID: **01372**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-K32R_CPH01A98	**Coppahaunk Swamp**	SUSSEX CO	Headwaters to mouth at Blackwater River.

VA Overall AU Category: **5A**

Use	Impairment	12.49 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		01372	**2006**	**2014**	VAP-K32R-05 E. coli impairment added in 2006, but original FC TMDL due date was maintained.
						Sources: Source Unknown
Recreation	**Fecal Coliform**		01372	**2002**	**2014**	VAP-K32R-05 E. coli impairment added in 2006 with violation rate of 2/2 at 5AXDT000.50, but original FC TMDL due date maintained.
						Sources: Source Unknown

TMDL Watershed Name: **Darden Mill Run**

TMDL Group ID: **01547**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAT-K30R_DMR01A02	**Darden Mill Run**	SOUTHAMPTON CO	From headwaters near Newsoms downstream to Windbourne Millpond, near VA/NC state line.

VA Overall AU Category: **5A**

Use	Impairment	10.42 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01547	**2002**	**2014**	Aquatic Life Use is impaired due to depressed DO & pH concentrations below the criteria minimum. Impairment is suspected due to natural swamp conditions present in these waters, low flow and high organic content. Below criteria minimum = 4.0 mg/l

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chowan River and Dismal Swamp Basins

TMDL Watershed Name: **Darden Mill Run**

TMDL Group ID: **01548**

VAT-K30R_DMR01A02	Darden Mill Run	SOUTHAMPTON CO	From headwaters near Newsoms downstream to Windbourne Millpond, near VA/NC state line.

VA Overall AU Category: **5A**

Use	Impairment	10.42 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		01548	**2002**	**2016**	Aquatic Life Use is impaired due to depressed DO & pH concentrations below the criteria minimum. Impairment is suspected due to natural swamp conditions present in these waters, low flow and high organic content. Below pH minimum criteria = 6.0 SU

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

TMDL Group ID: **01549**

VAT-K30R_DMR01A02	Darden Mill Run	SOUTHAMPTON CO	From headwaters near Newsoms downstream to Windbourne Millpond, near VA/NC state line.

VA Overall AU Category: **5A**

Use	Impairment	10.42 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		01549	**2002**	**2016**	The Recreation Use is impaired due to bacteria exceedances of the criteria for Ecoli. Previous impairment based on fecal coliform is replaced by new standard for Ecoli effective with attainment of observation minimum (4 violates / 13 observations). TMDL due date retained per H. Augustine e-mail 2/6/06.

Sources: Source Unknown

TMDL Watershed Name: **Dismal Swamp Canal**

TMDL Group ID: **00672**

VAT-K39R_XCK01A00	Dismal Swamp Canal & Feeder Ditch to Lake Drummond	CHESAPEAKE CITY	Dismal Swamp Canal from Deep Creek Locks to VA/NC state line and including Feeder Ditch to Lake Drummond.

VA Overall AU Category: **5A**

Use	Impairment	14.71 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		00672	**1998**	**2010**	Below pH minimum criteria = 6.0 SU

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chowan River and Dismal Swamp Basins

TMDL Watershed Name: **Dismal Swamp Canal**

TMDL Group ID: **01567**

VAT-K39R_XCK01A00	Dismal Swamp Canal & Feeder Ditch to Lake Drummond	CHESAPEAKE CITY	Dismal Swamp Canal from Deep Creek Locks to VA/NC state line and including Feeder Ditch to Lake Drummond.

VA Overall AU Category: **5A**

Use	Impairment	14.71 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**Mercury in Fish Tissue**		01567	**2004**	**2016**	DEQ 2002 Fish Tissue sampling indicated Hg at station 5BXCK000.00. The Fish Consumption Use is impaired due to a VDH fish consumption advisory (issued 10/2003 due to total Hg reported in DEQ fish tissue samples) from Deep Creek to NC state line.

Sources: Source Unknown

TMDL Group ID: **01572**

VAT-K39R_XCK01A00	Dismal Swamp Canal & Feeder Ditch to Lake Drummond	CHESAPEAKE CITY	Dismal Swamp Canal from Deep Creek Locks to VA/NC state line and including Feeder Ditch to Lake Drummond.

VA Overall AU Category: **5A**

Use	Impairment	14.71 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01572	**1998**	**2016**	Below criteria minimum = 4.0 mg/l

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

TMDL Watershed Name: **Emporia Lake (Meherrin Reservoir)**

TMDL Group ID: **01313**

VAP-K08L_MHN02C98	Emporia Lake (Meherrin Reservoir)	GREENSVILLE CO	On Meherrin River in Emporia

VA Overall AU Category: **5A**

Use	Impairment	210.00 ACRES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01313	**2006**	**2016**	VAP-K08L-01 Dissolved oxygen violations in bottom waters during the summer months. The violation rate was 2/19 during periods where the temperature differential was <4°C, therefore the lake is considered impaired and needing a TMDL. The lake should be reassessed once nutrient WQS are developed. The phosphorus and chlorophyll Trophic State Indices were less than 60. The secchi TSI was considerably larger than the others, therefore it is believed that the high Secchi TSI is a result of a prevalence of inorganic matter and is not considered.

Sources: Changes in Ordinary Stratification and Bottom Water Hypoxia/Anoxia

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chowan River and Dismal Swamp Basins

TMDL Watershed Name: **Flat Rock Creek**

TMDL Group ID: **00696**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAC-K03R_FRC01A98	**Flat Rock Creek**	LUNENBERG CO	First confluence downstream of Rte 647 to mouth.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	9.72 MILES	00696	**2002**	**2010**	

Sources: Source Unknown

TMDL Group ID: **50103**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAC-K03R_FRC02A06	**Flat Rock Creek**	LUNENBERG CO	Route 652 (RM 14.7) to Kenbridge PWS intake just upstream of Route 637.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	1.66 MILES	50103	**2006**	**2018**	

Sources: Source Unknown

TMDL Watershed Name: **Flat Swamp**

TMDL Group ID: **01541**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAT-K13R_FTS01A04	**Flat Swamp**	SOUTHAMPTON CO	North of White Head Hall. Downstream of Bellyache Swamp and confluence with Frank's Branch and upstream (a tributary of) Tarrara Creek.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	6.30 MILES	01541	**2004**	**2016**	2004 IR Fecal Imapirment continues in 2006 data, no E.coli sampled..

Sources: Source Unknown

TMDL Group ID: **01542**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAT-K13R_FTS01A04	**Flat Swamp**	SOUTHAMPTON CO	North of White Head Hall. Downstream of Bellyache Swamp and confluence with Frank's Branch and upstream (a tributary of) Tarrara Creek.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	6.30 MILES	01542	**2004**	**2016**	DO impairment from 2004 IR continued. Segment has changed Class to VII (prev. III) and no DO criteria currently specified. Compared to previous criteria (criteria minimum = 4.0 mg/l) segment still not meet (not able to delist DO).

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chowan River and Dismal Swamp Basins

TMDL Watershed Name: **Flat Swamp**

TMDL Group ID: **01543**

VAT-K13R_FTS01A04	Flat Swamp	SOUTHAMPTON CO	North of White Head Hall. Downstream of Bellyache Swamp and confluence with Frank's Branch and upstream (a tributary of) Tarrara Creek.

VA Overall AU Category: **5A**

Use	Impairment	6.30 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		01543	**2004**	**2016**	pH impairment continued from 2004 IR. Segment has changed Class to VII (prev. III) and current pH criteria not as restrictive (4.3 - 9.0 SU). Meets current criteria, but compared to previous criteria (criteria 6.0 - 9.0 SU) segment still not meet (not able to delist pH).

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

TMDL Watershed Name: **Fontaine Creek**

TMDL Group ID: **00680**

VAP-K11R_FON04A00	Fontaine Creek	GREENSVILLE CO	Route 301 bridge to the Meherrin River in K12 Segment altered in 2006 to incorporate VAP-K12R_FON05A00 and VAP-K12R_FON06A00, which were deleted, and to align with the new Class VII designations.

VA Overall AU Category: **5A**

Use	Impairment	15.92 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		00680	**2002**	**2010**	VAP-K11R-02 In 1998, Fontaine Creek from Beaverdam Creek to its mouth at the Meherrin River was assessed not supporting of the Aquatic Life use support goal because of dissolved oxygen violations. All tributaries entering this segment were considered fully supporting but threatened. The DO TMDL for the mainstem is due in 2010. During the year 2002 cycle, pH was added as an impairing cause and the tributaries were added to the segment. The TMDL is due in 2014. During the year 2006 cycle, the segment was reassessed against the new Class VII swampwater criteria. The segment continues to show dissolved oxygen violations, but the segment conforms with the new pH criteria. The segment should be delisted for pH. The segment will be considered Category 4C for dissolved oxygen until the new criteria can be developed.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chowan River and Dismal Swamp Basins

TMDL Watershed Name: **Fontaine Creek**

TMDL Group ID: **01317**

VAP-K10R_FON01A04	Fontaine Creek	GREENSVILLE CO	Fontaine Creek from the confluence of Rattlesnake Creek to the end of the watershed at Rocky Run.

VA Overall AU Category: **5A**

Use	Impairment	5.04 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		01317	**2004**	**2016**	VAP-K09R-02

The segment was assessed not supporting of the Recreation use support goal based on a fecal coliform violation rate of 2/13 at the Route 603 bridge (5AFON037.89).

Sources: Source Unknown

TMDL Group ID: **01322**

VAP-K11R_FON01A02	Fontaine Creek	GREENSVILLE CO	Route 633 bridge to tributary upstream of Mitchell.

VA Overall AU Category: **5A**

Use	Impairment	9.89 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		01322	**2002**	**2014**	VAP-K11R-01

The segment was assessed as not supporting of the Recreation and Aquatic Life use goals based on the following violation rates in 2004:

Fecal coliform 4/24 at the Rt. 639 bridge (5AFON025.64)
Fecal coliform 3/18 at the Rt. 627 bridge (5AFON027.33)
Dissolved oxygen 3/16 at 5AFON027.33

These stations were confined animal feeding operation (CAFO) special study stations and ceased in 2002.

During the 2006 cycle, the stations remain impaired for fecal coliform.

Sources: Source Unknown

VAP-K11R_FON03A98	Fontaine Creek	GREENSVILLE CO	First confluence upstream of Mitchell to the Route 301 bridge. Segment extended in 2006 to align with new Class VII swampwater designation.

VA Overall AU Category: **5A**

Use	Impairment	10.44 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		01322	**2004**	**2016**	VAP-K11R-04

In the 2004 cycle, the segment was assessed as not supporting the Recreation Use and Aquatic Life use support goals based on fecal coliform and pH violation rates of 2/14 at 5AFON022.04, located at the Route 629 bridge. Because there has been no additional monitoring since 2000, the previous assessment is carried over to 2006. In 2006, the segment was extended to the Route 301 bridge to better coincide with the Class VII designation.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chowan River and Dismal Swamp Basins

TMDL Watershed Name: **Fontaine Creek**

TMDL Group ID: **01322**

VAP-K11R_FON04A00	Fontaine Creek	GREENSVILLE CO	Route 301 bridge to the Meherrin River in K12 Segment altered in 2006 to incorporate VAP-K12R_FON05A00 and VAP-K12R_FON06A00, which were deleted, and to align with the new Class VII designations.

VA Overall AU Category: **5A**

Use	Impairment	15.92 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		01322	**2006**	**2014**	VAP-K12R-01 In 2002 the segment of Fontaine Creek from Mill Creek to the Meherrin River was assessed not supporting of the Recreation Use based on fecal coliform violations at the Route 625 bridge (5AFON006.07). During the year 2006 cycle, the segment was amended from the Route 301 bridge to the Meherrin River and E. coli was added as an impairment. The violation rates in 2006 at 5AFON006.07 were: Fecal Coliform 1/8 E. coli 4/9
		Sources: Source Unknown				
Recreation	**Fecal Coliform**		01322	**2006**	**2014**	VAP-K12R-01 In 2002 the segment of Fontaine Creek from Mill Creek to the Meherrin River was assessed not supporting of the Recreation Use based on fecal coliform violations at the Route 625 bridge (5AFON006.07). During the year 2006 cycle, the segment was amended from the Route 301 bridge to the Meherrin River and E. coli was added as an impairment. The violation rates in 2006 at 5AFON006.07 were: Fecal Coliform 1/8 E. coli 4/9
		Sources: Source Unknown				

TMDL Group ID: **01325**

VAP-K11R_FON03A98	Fontaine Creek	GREENSVILLE CO	First confluence upstream of Mitchell to the Route 301 bridge. Segment extended in 2006 to align with new Class VII swampwater designation.

VA Overall AU Category: **5A**

Use	Impairment	10.44 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		01325	**2004**	**2016**	VAP-K11R-04 In the 2004 cycle, the segment was assessed as not supporting the Recreation Use and Aquatic Life use support goals based on fecal coliform and pH violation rates of 2/14 at 5AFON022.04, located at the Route 629 bridge. Because there has been no additional monitoring since 2000, the previous assessment is carried over to 2006. In 2006, the segment was extended to the Route 301 bridge to better coincide with the Class VII designation.
		Sources: Source Unknown				

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chowan River and Dismal Swamp Basins

TMDL Watershed Name: **Fort Pickett Reservoir**

TMDL Group ID: **00746**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAC-K16L_NTW01L04	**Fort Pickett Reservoir**	BRUNSWICK CO NOTTOWAY CO	Fort Pickett Reservoir

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	318.95 ACRES	00746	**2004**	**2016**	

Sources: Source Unknown

TMDL Watershed Name: **Genito Creek**

TMDL Group ID: **10005**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-K05R_GTO01A94	**Genito Creek**	BRUNSWICK CO	Headwaters to mouth.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	7.92 MILES	10005	**2006**	**2016**	VAP-K05R-01 Genito Creek was assessed as impaired of the Recreation Use due to an E. coli violation rate of 3/9 at the Route 623 bridge (5AGTO001.16). New in 2006.

Sources: Source Unknown

TMDL Watershed Name: **Great Creek**

TMDL Group ID: **01311**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-K06R_GTC01A00	**Great Creek**	LUNENBERG CO	Upstream of Dixon Millpond, including the pond.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	2.78 MILES	01311	**2004**	**2016**	VAP-K06R-02 During the year 2006 cycle, the bacteria impairments (VAP-K06R-01, -02, and -03) in Great Creek were combined. The segment has been assessed as not supporting of the Recreation Use goal based on fecal coliform violations at 5AXEA000.04, 5A-PL-GR-A, and 5AGTC005.40, and E. coli violations at 5AGTC017.75. 5AXEA000.04 and 5A-PL-GR-A are confined animal feeding operation (CAFO) special study stations that were discontinued in 2002, therefore the 2004 violation rate was applied.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chowan River and Dismal Swamp Basins

TMDL Watershed Name: **Great Creek**

TMDL Group ID: **01311**

VAP-K06R_GTC01B00	Great Creek	BRUNSWICK CO LUNENBERG CO	Dixon Millpond dam to upstream extent of PWS Section 5a-3b. Expanded in 2006 cycle.

VA Overall AU Category: **5A**

Use	Impairment	9.07 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		01311	**2006**	**2014**	VAP-K06R-02 During the year 2006 cycle, the bacteria impairments (VAP-K06R-01, -02, and -03) in Great Creek were combined. The segment has been assessed as not supporting of the Recreation Use goal based on fecal coliform violations at 5AXEA000.04, 5A-PL-GR-A, and 5AGTC005.40, and E. coli violations at 5AGTC017.75. 5AXEA000.04 and 5A-PL-GR-A are confined animal feeding operation (CAFO) special study stations that were discontinued in 2002, therefore the 2004 violation rate was applied.
		Sources: Source Unknown				
Recreation	**Fecal Coliform**		01311	**2002**	**2014**	VAP-K06R-02 During the year 2006 cycle, the bacteria impairments (VAP-K06R-01, -02, and -03) in Great Creek were combined. The segment has been assessed as not supporting of the Recreation Use goal based on fecal coliform violations at 5AXEA000.04, 5A-PL-GR-A, and 5AGTC005.40, and E. coli violations at 5AGTC017.75. 5AXEA000.04 and 5A-PL-GR-A are confined animal feeding operation (CAFO) special study stations that were discontinued in 2002, therefore the 2004 violation rate was applied.
		Sources: Source Unknown				

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chowan River and Dismal Swamp Basins

TMDL Watershed Name: **Great Creek**

TMDL Group ID: **01311**

VAP-K06R_GTC02B00 **Great Creek** BRUNSWICK CO Upstream extent of PWS Section 5a-3b to extent of backwater at Great Creek Reservoir.

VA Overall AU Category: **5A**

Use	Impairment	2.75 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		01311	**2006**	**2014**	VAP-K06R-02 During the year 2006 cycle, the bacteria impairments (VAP-K06R-01, -02, and -03) in Great Creek were combined. The segment has been assessed as not supporting of the Recreation Use goal based on fecal coliform violations at 5AXEA000.04, 5A-PL-GR-A, and 5AGTC005.40, and E. coli violations at 5AGTC017.75. 5AXEA000.04 and 5A-PL-GR-A are confined animal feeding operation (CAFO) special study stations that were discontinued in 2002, therefore the 2004 violation rate was applied.
		Sources: Source Unknown				
Recreation	**Fecal Coliform**		01311	**2002**	**2014**	VAP-K06R-02 During the year 2006 cycle, the bacteria impairments (VAP-K06R-01, -02, and -03) in Great Creek were combined. The segment has been assessed as not supporting of the Recreation Use goal based on fecal coliform violations at 5AXEA000.04, 5A-PL-GR-A, and 5AGTC005.40, and E. coli violations at 5AGTC017.75. 5AXEA000.04 and 5A-PL-GR-A are confined animal feeding operation (CAFO) special study stations that were discontinued in 2002, therefore the 2004 violation rate was applied.
		Sources: Source Unknown				

TMDL Group ID: **01312**

VAP-K06R_GTC01A00 **Great Creek** LUNENBERG CO Upstream of Dixon Millpond, including the pond.

VA Overall AU Category: **5A**

Use	Impairment	2.78 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		01312	**2002**	**2014**	VAP-K06R-02 The segment of Great Creek above the Dixon Millpond dam was assessed in 2002 as not supporting of the Aquatic Life Use based on pH violations at 5AGTC025.70 (previously called PL-18A), and at 5AXEA000.04 (previously called PL-18B). In 2004, the segment continued to be impaired due to pH and an impairment for dissolved oxygen was added. The pH TMDL is due in 2014 and the DO TMDL is due in 2016. No additional monitoring has occurred since 2002, therefore the previous assessment remains. These stations are confined animal feeding operation (CAFO) special study stations.
		Sources: Source Unknown				

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chowan River and Dismal Swamp Basins

TMDL Watershed Name: **Great Creek**

TMDL Group ID: **01740**

VAP-K06R_GTC01A00	Great Creek	LUNENBERG CO	Upstream of Dixon Millpond, including the pond.

VA Overall AU Category: **5A**

Use	Impairment	2.78 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01740	**2004**	**2016**	VAP-K06R-01

The segment of Great Creek above the Dixon Millpond dam was assessed in 2002 as not supporting of the Aquatic Life Use based on pH violations at 5AGTC025.70 (previously called PL-18A), and at 5AXEA000.04 (previously called PL-18B). In 2004, the segment continued to be impaired due to pH and an impairment for dissolved oxygen was added. The pH TMDL is due in 2014 and the DO TMDL is due in 2016. No additional monitoring has occurred since 2002, therefore the previous assessment remains.

These stations are confined animal feeding operation (CAFO) special study stations.

Sources: Source Unknown

TMDL Group ID: **01746**

VAP-K06R_GTC04B00	Great Creek	BRUNSWICK CO	Great Creek Reservoir dam to the Lawrenceville PWS intake (PWS Section 5a-3b).

VA Overall AU Category: **5A**

Use	Impairment	2.72 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		01746	**2004**	**2016**	VAP-K06R-02

During the year 2006 cycle, the bacteria impairments (VAP-K06R-01, -02, and -03) in Great Creek were combined. The segment has been assessed as not supporting of the Recreation Use goal based on fecal coliform violations at 5AXEA000.04, 5A-PL-GR-A, and 5AGTC005.40, and E. coli violations at 5AGTC017.75.

5AXEA000.04 and 5A-PL-GR-A are confined animal feeding operation (CAFO) special study stations that were discontinued in 2002, therefore the 2004 violation rate was applied.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chowan River and Dismal Swamp Basins

TMDL Watershed Name: **Great Creek**

TMDL Group ID: **01746**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-K06R_GTC05B00	**Great Creek**	BRUNSWICK CO	Lawrenceville PWS intake to its mouth.

VA Overall AU Category: **5A**

Use	Impairment	7.31 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		01746	**2004**	**2016**	VAP-K06R-02

During the year 2006 cycle, the bacteria impairments (VAP-K06R-01, -02, and -03) in Great Creek were combined. The segment has been assessed as not supporting of the Recreation Use goal based on fecal coliform violations at 5AXEA000.04, 5A-PL-GR-A, and 5AGTC005.40, and E. coli violations at 5AGTC017.75.

5AXEA000.04 and 5A-PL-GR-A are confined animal feeding operation (CAFO) special study stations that were discontinued in 2002, therefore the 2004 violation rate was applied.

Sources: Source Unknown

TMDL Watershed Name: **Harris Swamp**

TMDL Group ID: **10120**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-K19R_HRS01A02	**Harris Swamp**	SUSSEX CO	Harris Swamp from the first tributary upstream of Little Mill Road to its mouth at the Nottoway River.

VA Overall AU Category: **5C**

Use	Impairment	2.34 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		10120	**2006**	**2018**	VAP-K19R-01

The segment was assessed as impaired of the Aquatic Life Use because of a pH violation rate of 3/21 at 5AHRS002.04.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

TMDL Watershed Name: **Hatcher Run**

TMDL Group ID: **01349**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-K23R_HRA01A04	**Hatcher Run**	DINWIDDIE CO	Hatcher Run from its headwaters to the pond below 627.

VA Overall AU Category: **5A**

Use	Impairment	4.38 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		01349	**2004**	**2016**	VAP-K23R-05

This segment of Hatcher Run is considered not supporting the Recreation Use based on a fecal coliform violation rate of 2/3 during the 2004 cycle at the USGS monitoring station at the Route 627 bridge (02046265).

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chowan River and Dismal Swamp Basins

TMDL Watershed Name: **Hell Point Creek - Upper**

TMDL Group ID: **76067**

VAT-K42E_HPC01A00	Hell Point Creek - Upper	VIRGINIA BEACH CITY	Located west of Sandbridge. Segment from headwaters downstream to RM 0.73, intersection of creek with canal near mouth.

VA Overall AU Category: **5A**

Use	Impairment	0.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Enterococcus**		76067	**2006**	**2018**	
		Sources: Source Unknown				

TMDL Watershed Name: **Hell Point Creek, Lower (At Mouth)**

TMDL Group ID: **01581**

VAT-K42E_HPC02A04	Hell Point Creek - Lower (at mouth)	VIRGINIA BEACH CITY	Located southwest of Sandbridge. Segment begins at intersection of creek and canal upstream of monitoring station and ends at mouth, confluence with North Bay.

VA Overall AU Category: **5A**

Use	Impairment	0.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Enterococcus**		01581	**2004**	**2016**	Insufficient # samples (9) to replace FC parameter.
		Sources: Source Unknown				
Recreation	**Fecal Coliform**		01581	**2004**	**2016**	Insufficient # Enterococcus samples (9) to replace FC parameter.
		Sources: Source Unknown				

TMDL Watershed Name: **Horsepen Branch**

TMDL Group ID: **10008**

VAP-K22R_HSP01A00	Horsepen Branch	DINWIDDIE CO	Headwaters to Mill Run Branch

VA Overall AU Category: **5A**

Use	Impairment	3.91 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		10008	**2006**	**2018**	VAP-K22R-02 Horsepen Branch is assessed as not supporting the Aquatic Life Use due to a dissolved oxygen violation rate of 4/18 at the Route 619 bridge (5AHSP000.38).
		Sources: Source Unknown				

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chowan River and Dismal Swamp Basins

TMDL Watershed Name: **Hunting Quarter Swamp**

TMDL Group ID: **01354**

VAP-K24R_HQC01A98	Hunting Quarter Swamp	SUSSEX CO	Headwaters to mouth

VA Overall AU Category: **5C**

Use	Impairment	16.55 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		01354	**2004**	**2016**	VAP-K24R-01

Hunting Quarter Swamp had been assessed as fully supporting but threatened of the Aquatic Life Use since the 1998 cycle based on best professional judgment. Because of its hydrological characteristics, Hunting Quarter Swamp was believed to be subject to the same dissolved oxygen and pH characteristics as other swampwaters assessed as less than fully supporting of its use support goal.

Sampling in the 2004 cycle confirmed the pH violations (2/2), therefore the segment was downgraded to impaired. Although the DO violation rate was acceptable (0/2), the samples were taken in the winter months and therefore dissolved oxygen was still added as an impairing cause based on BPJ.

However, during the 2006 cycle, additional monitoring was conducted. This confirmed the pH violations (5/5), but the DO violation rate was acceptable (0/5). The segment should be delisted for dissolved oxygen.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

TMDL Watershed Name: **Hurricane Branch**

TMDL Group ID: **00747**

VAC-K16R_HUR01A04	Hurricane Branch	NOTTOWAY CO	Hurricane Branch from Gettysburg Road crossing to its confluence with Nottoway River

VA Overall AU Category: **5A**

Use	Impairment	1.94 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		00747	**2004**	**2016**	

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chowan River and Dismal Swamp Basins

TMDL Watershed Name: **Indian Creek tributary to Northwest River**

TMDL Group ID: **00263**

VAT-K40R_IND01A02	Indian Creek tributary to Northwest River.	CHESAPEAKE CITY	From downstream of Sanderson Rd.(RM 3.40) downstream to the confluence with the Northwest River. Located southeast of Saint Brides.

VA Overall AU Category: **5A**

Use	Impairment	3.48 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		00263	**2002**	**2010**	Combination of probable natural low D.O. due swamp waters & possible urban development causing phosphorus/low DO. Below criteria minimum = 4.0 mg/l.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed
Source Unknown

TMDL Group ID: **01573**

VAT-K40R_IND01A02	Indian Creek tributary to Northwest River.	CHESAPEAKE CITY	From downstream of Sanderson Rd.(RM 3.40) downstream to the confluence with the Northwest River. Located southeast of Saint Brides.

VA Overall AU Category: **5A**

Use	Impairment	3.48 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		01573	**2006**	**2016**	Recreation Use impaired (3 violates / 13 observations) due to Ecoli concentrations exceeding the swimming indicator criteria.

Sources: Source Unknown

TMDL Watershed Name: **Lake Drummond**

TMDL Group ID: **76054**

VAT-K39L_LKD01A06	Lake Drummond	CHESAPEAKE CITY SUFFOLK CITY	Within the Great Dismal Swamp National Wildlife Refuge. Located on City of Suffolk/City of Chesapeake boundary near NC state line.

VA Overall AU Category: **5A**

Use	Impairment	3242.00 ACRES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**Mercury in Fish Tissue**		76054	**2006**	**2018**	The Fish Consumption Use is impaired due to a VDH fish consumption advisory (issued 10/2003 & modified 7/27/05) due to total Hg reported in fish tissue samples) .

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chowan River and Dismal Swamp Basins

TMDL Watershed Name: **Meherrin River**

TMDL Group ID: **00593**

VAP-K09R_MHN01D98	Meherrin River	EMPORIA CITY	Emporia Reservoir Dam to the Route 730 bridge Segment extended in 2006

VA Overall AU Category: **5A**

Use	Impairment	26.62 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		00593	**2004**	**2016**	VAP-K09R-01 During the year 2004 cycle, PCBs in fish tissue was added as an impairing cause and Mercury in fish tissue was added as an observed effect. During the 2006 cycle, VDH issued a fish consumption advisory for PCBs from the Emporia dam to the Route 730 bridge. The segment was extended to match the advisory. The TMDL due date for PCBs remains 2014.

Sources: Source Unknown

TMDL Group ID: **01309**

VAP-K05R_MHN01B98	Meherrin River	BRUNSWICK CO	Taylors Creek to Hicks Creek.

VA Overall AU Category: **5A**

Use	Impairment	6.93 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		01309	**2006**	**2018**	VAP-K05R-02 The Meherrin River from Taylors Creek to Reedy Creek was assessed not supporting of the Recreation use support goal based on fecal coliform violation rates of 4/20 at 5AMHN068.30, 2/16 at 5AMHN073.98, and 8/35 at 5AMHN082.13 and an E. coli violation rate of 2/9 at 5AMHN082.13. The segment was originally considered fully supporting but threatened during the year 1998 cycle, but was downgraded during the 2002 cycle. The E. coli impairment was added during the 2006 cycle.

Sources: Source Unknown

Use	Impairment	6.93 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		01309	**2002**	**2014**	VAP-K05R-02 The Meherrin River from Taylors Creek to Reedy Creek was assessed not supporting of the Recreation use support goal based on fecal coliform violation rates of 4/20 at 5AMHN068.30, 2/16 at 5AMHN073.98, and 8/35 at 5AMHN082.13 and an E. coli violation rate of 2/9 at 5AMHN082.13. The segment was originally considered fully supporting but threatened during the year 1998 cycle, but was downgraded during the 2002 cycle. The E. coli impairment was added during the 2006 cycle.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chowan River and Dismal Swamp Basins

TMDL Watershed Name: **Meherrin River**

TMDL Group ID: **01309**

VAP-K05R_MHN02B98	Meherrin River	BRUNSWICK CO	Hicks Creek to Lawrenceville PWS Intake.

VA Overall AU Category: **5A**

Use	Impairment	5.01 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		01309	**2006**	**2018**	VAP-K05R-02 The Meherrin River from Taylors Creek to Reedy Creek was assessed not supporting of the Recreation use support goal based on fecal coliform violation rates of 4/20 at 5AMHN068.30, 2/16 at 5AMHN073.98, and 8/35 at 5AMHN082.13 and an E. coli violation rate of 2/9 at 5AMHN082.13. The segment was originally considered fully supporting but threatened during the year 1998 cycle, but was downgraded during the 2002 cycle. The E. coli impairment was added during the 2006 cycle.
		Sources: Source Unknown				
Recreation	**Fecal Coliform**		01309	**2002**	**2014**	VAP-K05R-02 The Meherrin River from Taylors Creek to Reedy Creek was assessed not supporting of the Recreation use support goal based on fecal coliform violation rates of 4/20 at 5AMHN068.30, 2/16 at 5AMHN073.98, and 8/35 at 5AMHN082.13 and an E. coli violation rate of 2/9 at 5AMHN082.13. The segment was originally considered fully supporting but threatened during the year 1998 cycle, but was downgraded during the 2002 cycle. The E. coli impairment was added during the 2006 cycle.
		Sources: Source Unknown				

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chowan River and Dismal Swamp Basins

TMDL Watershed Name: **Meherrin River**

TMDL Group ID: **01314**

VAP-K05R_MHN03B98 **Meherrin River** BRUNSWICK CO

Lawrenceville PWS intake to Reedy Creek.
Segment extended in 2006 to incorporate VAP-K08R_MHN04B98, which was deleted.

VA Overall AU Category: **5A**

Use	Impairment (14.14 MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	01314	**2006**	**2018**	VAP-K05R-02 The Meherrin River from Taylors Creek to Reedy Creek was assessed not supporting of the Recreation use support goal based on fecal coliform violation rates of 4/20 at 5AMHN068.30, 2/16 at 5AMHN073.98, and 8/35 at 5AMHN082.13 and an E. coli violation rate of 2/9 at 5AMHN082.13. The segment was originally considered fully supporting but threatened during the year 1998 cycle, but was downgraded during the 2002 cycle. The E. coli impairment was added during the 2006 cycle.
	Sources: Source Unknown				
Recreation	**Fecal Coliform**	01314	**2002**	**2014**	VAP-K05R-02 The Meherrin River from Taylors Creek to Reedy Creek was assessed not supporting of the Recreation use support goal based on fecal coliform violation rates of 4/20 at 5AMHN068.30, 2/16 at 5AMHN073.98, and 8/35 at 5AMHN082.13 and an E. coli violation rate of 2/9 at 5AMHN082.13. The segment was originally considered fully supporting but threatened during the year 1998 cycle, but was downgraded during the 2002 cycle. The E. coli impairment was added during the 2006 cycle.
	Sources: Source Unknown				

TMDL Group ID: **01316**

VAP-K09R_MHN01D98 **Meherrin River** EMPORIA CITY

Emporia Reservoir Dam to the Route 730 bridge

Segment extended in 2006

VA Overall AU Category: **5A**

Use	Impairment (26.62 MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**Benzo[k]fluoranthene**	01316	**2002**	**2014**	VAP-K09R-01 Beginning in the year 2002 cycle, the segment was assessed partially supporting of the fish consumption use based on 1996 fish tissue screening value exceedances for benzo(k)fluoranthene in two species. Arsenic was listed as an observed effect. During the year 2004 cycle, PCBs in fish tissue was added as an impairing cause and Mercury in fish tissue was added as an observed effect. The benzo(k)fluoranthene TMDL is due in 2014.
	Sources: Source Unknown				

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chowan River and Dismal Swamp Basins

TMDL Watershed Name: **Meherrin River, Middle**

TMDL Group ID: **00695**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAC-K01R_MMR01A98	**Middle Meherrin River**	LUNENBERG CO	Crupper Run to mouth.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	7.14 MILES	00695	**2004**	**2016**	

Sources: Source Unknown

TMDL Watershed Name: **Mill Swamp**

TMDL Group ID: **00185**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAT-K34R_MSW01A00	**Mill Swamp**	ISLE OF WIGHT CO SURRY CO	Located northwest of Raynor, upstream tributary to Rattlesnake Swamp. Segment begins at confluence of Moores Swamp with Mill Swamp (mile 16.78) downstream to confluence with Rattlesnake Swamp (mile 0.0).

VA Overall AU Category: **5D**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	8.39 MILES	00185	**1998**	**2005**	Category 4A. EPA approved 9/27/2005. The Recreation Use is impaired due to fecal coliform bacteria exceedances. Insufficient number of E.coli bacteria indicator observations (N=11) to replace previous FC impairment.

Sources: Commerical Districts (Shopping/Office Complexes)
Crop Production (Crop Land or Dry Land)
Livestock (Grazing or Feeding Operations)
Residential Districts
Sewage Discharges in Unsewered Areas
Wildlife Other than Waterfowl

TMDL Group ID: **00636**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAT-K34R_MSW01A00	**Mill Swamp**	ISLE OF WIGHT CO SURRY CO	Located northwest of Raynor, upstream tributary to Rattlesnake Swamp. Segment begins at confluence of Moores Swamp with Mill Swamp (mile 16.78) downstream to confluence with Rattlesnake Swamp (mile 0.0).

VA Overall AU Category: **5D**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	8.39 MILES	00636	**1998**	**2010**	Aquatic Life Use is impaired due to depressed DO concentrations, impairment continued from 2004 IR (segment Class change from III to VII, can not delist previous impairments since current data does not meet previous criteria applicable at time of listing). Impairment is suspected due to natural swamp conditions present in these waters. Below criteria minimum = 4.0 mg/l

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed
Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chowan River and Dismal Swamp Basins

TMDL Watershed Name: **Mill Swamp**

TMDL Group ID: **76047**

VAT-K28R_MSP01A06	Mill Swamp	SOUTHAMPTON CO	Main stem Mill Swamp only. Tributary to Nottoway R, downstream of PWS. W of Delaware, between Darden Pond and Nottoway River.

VA Overall AU Category: **5A**

Use	Impairment	10.17 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		76047	**2006**	**2018**	

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

TMDL Group ID: **76048**

VAT-K28R_MSP01A06	Mill Swamp	SOUTHAMPTON CO	Main stem Mill Swamp only. Tributary to Nottoway R, downstream of PWS. W of Delaware, between Darden Pond and Nottoway River.

VA Overall AU Category: **5A**

Use	Impairment	10.17 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		76048	**2006**	**2018**	

Sources: Source Unknown

TMDL Watershed Name: **Milldam Creek**

TMDL Group ID: **00186**

VAT-K41R_MLD02A06	Milldam Creek - Lower	VIRGINIA BEACH CITY	Tidally influenced portion of Milldam Creek from Blackwater Rd. crossing (RM 1.92) to confluence with North landing River @ RM 0.00.

VA Overall AU Category: **5D**

Use	Impairment	2.49 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00186	**2006**	**2005**	Category 4A. EPA approved 9/27/2005. Recreation Use impaired due to Ecoli concentrations exceeding the swimming indicator criteria. The previous Fecal Coliform indicator bacteria impairment no longer applies, replaced by Ecoli criteria impairment since threshold of 12 observations reached, with TMDL ID and due date same as original FC impairment.

Sources: Source Unknown

TMDL Group ID: **00642**

VAT-K41R_MLD02A06	Milldam Creek - Lower	VIRGINIA BEACH CITY	Tidally influenced portion of Milldam Creek from Blackwater Rd. crossing (RM 1.92) to confluence with North landing River @ RM 0.00.

VA Overall AU Category: **5D**

Use	Impairment	2.49 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		00642	**2002**	**2010**	The cause of the depressed dissolved oxygen concentrations is suspected to be naturally occurring and due to high organic content and stagnant (low freshwater flow) conditions within these waters. Below criteria minimum = 4.0 mg/l

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chowan River and Dismal Swamp Basins

TMDL Watershed Name: **Muddy Creek**

TMDL Group ID: **01582**

VAT-K42E_MDY01A04	Muddy Creek	VIRGINIA BEACH CITY	Located southeast of Pungo. Segment begins at confluence with Ashville Bridge Creek and ends at the mouth, the confluence with North Bay.

VA Overall AU Category: **5A**

Use	Impairment	0.04 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Enterococcus**		01582	**2006**	**2016**	Previous impairment based on fecal coliform is replaced by the new standard for Enterococcus, effective with attainment of observation minimum (4 violates / 15 observations). TMDL due date retained per H. Augustine e-mail 2/6/06.

Sources: Source Unknown

TMDL Watershed Name: **Nawney Creek**

TMDL Group ID: **00183**

VAT-K42E_NWN01A00	Nawney Creek - Upper	VIRGINIA BEACH CITY	Upper portion of Nawney Creek, 0.8 mi. upstream of Nawney Creek Road bridge (RM 1.92) downstream 0.6 mi. from Nawney Creek Road bridge to RM 1.24.

VA Overall AU Category: **5D**

Use	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Enterococcus**		00183	**2004**	**2005**	Category 4A. EPA approval 9/27/2005. Previous impairment based on fecal coliform is replaced by the new standard for Enterococcus, effective with attainment of observation minimum (6 violates / 14 observations). TMDL due date retained per H. Augustine e-mail 2/6/06.

Sources: Animal Feeding Operations (NPS)
Crop Production (Crop Land or Dry Land)
Livestock (Grazing or Feeding Operations)
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)
Runoff from Forest/Grassland/Parkland
Waterfowl
Wildlife Other than Waterfowl

TMDL Watershed Name: **Nawney Creek, Upper**

TMDL Group ID: **00645**

VAT-K42E_NWN01A00	Nawney Creek - Upper	VIRGINIA BEACH CITY	Upper portion of Nawney Creek, 0.8 mi. upstream of Nawney Creek Road bridge (RM 1.92) downstream 0.6 mi. from Nawney Creek Road bridge to RM 1.24.

VA Overall AU Category: **5D**

Use	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		00645	**1996**	**2010**	

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chowan River and Dismal Swamp Basins

TMDL Watershed Name: **Nebletts Mill Run and all its tributaries**

TMDL Group ID: **01352**

VAP-K23R_XDV01A02	UT to Nebletts Mill Run	SUSSEX CO	An unnamed tributary (XDV) of Nebletts Mill Run from its headwaters to its mouth.

VA Overall AU Category: **5A**

Use	Impairment	1.73 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		01352	**2006**	**2016**	VAP-K23R-03 E. coli impairment was added in 2006, however since the segment was already listed for fecal coliform bacteria, the TMDL due date is listed as 2016.
		Sources:	Animal Feeding Operations (NPS) Source Unknown			
Recreation	**Fecal Coliform**		01352	**2004**	**2016**	VAP-K23R-03 In addition, Nebletts Run from the Millpond downstream to the mouth and Tributary XDV had been considered not supporting of the Recreation Use. During the 2006 cycle, the fecal coliform violation rate at 5ANBT001.26 was acceptable (2/19), therefore Nebletts Mill Run should be delisted. Tributary XDV continues to be impaired with a fecal coliform instantaneous violation rate of 10/17 and an E. coli violation rate of 2/2. The bacteria TMDL is due in 2016.
		Sources:	Animal Feeding Operations (NPS) Source Unknown			

TMDL Watershed Name: **North Landing River - Middle**

TMDL Group ID: **76058**

VAT-K41R_NLR02A06	North Landing River - Middle	CHESAPEAKE CITY VIRGINIA BEACH CITY	From confluence with Intracoastal Waterway (RM 13.65) downstream to instream Island (RM 12.01, upstream of confluence of West Neck Creek).

VA Overall AU Category: **5A**

Use	Impairment	8.48 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		76058	**2006**	**2018**	Recreation Use impaired due to Ecoli concentrations exceeding the swimming indicator criteria.
		Sources:	Source Unknown			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chowan River and Dismal Swamp Basins

TMDL Watershed Name: **North Landing River - Middle**

TMDL Group ID: **76061**

VAT-K41R_NLR02A06	North Landing River - Middle	CHESAPEAKE CITY VIRGINIA BEACH CITY	From confluence with Intracoastal Waterway (RM 13.65) downstream to instream Island (RM 12.01, upstream of confluence of West Neck Creek).

VA Overall AU Category: **5A**

Use	Impairment	8.48 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Wildlife	**Chloride**		76061	**2006**	**2018**	Wildlife Use impairment related to chloride exceedance of acute criteria (freshwater criteria apply since classified Tidal Freshwater). The cause of the chloride standard exceedance is attributed to naturally occurring conditions of saline water intrusion from downstream estuarine waters (Albemarle Sound, North Carolina).

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

TMDL Watershed Name: **North Landing River (Middle)**

TMDL Group ID: **01576**

VAT-K41R_NLR03A06	North Landing River - Lower	VIRGINIA BEACH CITY	All of North Landing River from RM 12.01 (at island upstream of confluence of West Neck Creek) downstream to VA/NC state line (RM 0.0).

VA Overall AU Category: **5A**

Use	Impairment	13.50 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Chloride**		01576	**2004**	**2016**	The cause of the chloride standard exceedance is attributed to naturally occurring conditions of saline water intrusion from downstream estuarine waters (Currituck Sound). Exceed stream chloride criteria = 860 mg/L

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

Wildlife	**Chloride**	01576	**2004**	**2016**	The cause of the chloride standard exceedance is attributed to naturally occurring conditions of saline water intrusion from downstream estuarine waters (Currituck Sound).

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

TMDL Watershed Name: **North Meherrin River**

TMDL Group ID: **00463**

VAC-K02R_NMR01A98	North Meherrin River	LUNENBERG CO	Couches Creek to Reedy Creek.

VA Overall AU Category: **5A**

Use	Impairment	7.58 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00463	**2006**	**2010**	

Sources: Source Unknown

Recreation	**Fecal Coliform**	00463	**2002**	**2010**	

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chowan River and Dismal Swamp Basins

TMDL Watershed Name: **Northwest River**

TMDL Group ID: **00641**

VAT-K40R_NTW01A00 **Northwest River - Upper (Non-PWS)** CHESAPEAKE CITY Northwest River from mile 22.15 to 16.63, upstream of Chesapeake's intake and PWS area.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	6.39 MILES	00641	**1998**	**2010**	Below criteria minimum = 4.0 mg/l

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

VAT-K40R_NTW02A00 **Northwest River - Middle (PWS)** CHESAPEAKE CITY Northwest River from RM 16.63 (start of PWS) to RM 8.23. PWS tidally influenced area.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	10.80 MILES	00641	**1998**	**2010**	Combination of probable natural low D.O. due swamp waters & possible urban development causing phosphorus/low DO. Below criteria minimum = 4.0 mg/l.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

TMDL Watershed Name: **Northwest River - Lower (PWS)**

TMDL Group ID: **76055**

VAT-K40R_NTW03A00 **Northwest River - Lower (PWS)** CHESAPEAKE CITY Northwest River from mile 8.22 downstream to mile 7.49 (VA/NC state line). PWS tidally influenced area.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	0.73 MILES	76055	**2006**	**2018**	Recreation Use impaired due to Ecoli concentrations exceeding the swimming indicator criteria (2/15).

Sources: Source Unknown

TMDL Watershed Name: **Northwest River - Middle (PWS)**

TMDL Group ID: **76057**

VAT-K40R_NTW02A00 **Northwest River - Middle (PWS)** CHESAPEAKE CITY Northwest River from RM 16.63 (start of PWS) to RM 8.23. PWS tidally influenced area.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	10.80 MILES	76057	**2006**	**2018**	Recreation Use impaired due to Ecoli concentrations exceeding the swimming indicator criteria.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chowan River and Dismal Swamp Basins

TMDL Watershed Name: **Northwest River (PWS), Unnamed Tributary**

TMDL Group ID: **76056**

VAT-K40R_XAM01A02	Unnamed tributary to Northwest River (PWS)	CHESAPEAKE CITY	Unnamed trib to Nortwest River from St Brides Rd crossing to confluence with Northwest River. Within PWS area.

VA Overall AU Category: **5A**

Use	Impairment	4.24 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		76056	**2006**	**2018**	Recreation Use impaired due to Ecoli concentrations exceeding the swimming indicator criteria.

Sources: Source Unknown

TMDL Watershed Name: **Northwest River, Unnamed Tributary**

TMDL Group ID: **01574**

VAT-K40R_XAM01A02	Unnamed tributary to Northwest River (PWS)	CHESAPEAKE CITY	Unnamed trib to Nortwest River from St Brides Rd crossing to confluence with Northwest River. Within PWS area.

VA Overall AU Category: **5A**

Use	Impairment	4.24 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01574	**2002**	**2014**	Aquatic Life Use impairment due to low dissolved oxygen concentrations.The cause of the depressed dissolved oxygen concentrations is suspected to be naturally occurring and due to high organic content and stagnant (low freshwater flow) conditions within these waters. Below criteria minimum = 4.0 mg/l

Sources: Source Unknown

TMDL Watershed Name: **Nottoway Falls Lake**

TMDL Group ID: **00745**

VAC-K14L_NTW01L00	Nottoway Falls Lake	LUNENBERG CO NOTTOWAY CO	Nottoway River

VA Overall AU Category: **5A**

Use	Impairment	32.07 ACRES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		00745	**2004**	**2016**	

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chowan River and Dismal Swamp Basins

TMDL Watershed Name: **Nottoway Pond**

TMDL Group ID: **50019**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAC-K15L_LZT01L00	**Nottoway Pond**	NOTTOWAY CO	Lazaretto Creek

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	55.09 ACRES	50019	**2006**	**2018**	

Sources: Source Unknown

TMDL Watershed Name: **Nottoway River**

TMDL Group ID: **01334**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-K17R_NTW01A00	**Nottoway River**	BRUNSWICK CO DINWIDDIE CO	Beaverpond Creek to Sturgeon Creek

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	11.70 MILES	01334	**2004**	**2016**	VAP-K17R-03 The segment was assessed not supporting of the Recreation Use based on a fecal coliform violation rate of 5/34 at the Route 1 bridge (5ANTW109.02.)

Sources: Source Unknown

TMDL Group ID: **50106**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAC-K16R_NTW01B04	**Nottoway River**	BRUNSWICK CO NOTTOWAY CO	Nottoway River from Fort Pickett raw water intake to its confluence with Hurricane Branch.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	3.40 MILES	50106	**2006**	**2018**	

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chowan River and Dismal Swamp Basins

TMDL Watershed Name: **Otterdam Swamp**

TMDL Group ID: **01378**

VAP-K32R_OTR02A00	Otterdam Swamp	SURRY CO	Averys Pond to Blackwater River

VA Overall AU Category: **5A**

Use	Impairment	7.56 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		01378	**2006**	**2014**	VAP-K32R-04 The segment was assessed not supporting of the Recreation Use goal based on the following violation rates: FC 3/7 at 5AOTR001.26; FC 9/49, E. coli 2/2 at 5AOTR004.31; FC 1/9 at 5AOTR005.69. These are confined animal feeding operation (CAFO) special study stations. E.coli was added as an impairing cause of the Recreation Use in 2006, however the original bacteria TMDL due date of 2014 was maintained.
		Sources: Source Unknown				
Recreation	**Fecal Coliform**		01378	**2002**	**2014**	VAP-K32R-04 The segment was assessed not supporting of the Recreation Use goal based on the following violation rates: FC 3/7 at 5AOTR001.26; FC 9/49, E. coli 2/2 at 5AOTR004.31; FC 1/9 at 5AOTR005.69. These are confined animal feeding operation (CAFO) special study stations.
		Sources: Source Unknown				

TMDL Watershed Name: **Otterdam Swamp, Unnamed Tributary**

TMDL Group ID: **10046**

VAP-K32R_XDR01A06	UT to Otterdam Swamp	SURRY CO	Headwaters to mouth at Otterdam Swamp

VA Overall AU Category: **5A**

Use	Impairment	2.55 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		10046	**2006**	**2018**	VAP-K32R-11 The segment is considered impaired of the Recreation Use due to a fecal coliform violation rate of 9/16 at 5AXDR00.38. The E. coli rate was 1/2, which is considered insufficient for assessment.
		Sources: Source Unknown				

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chowan River and Dismal Swamp Basins

TMDL Watershed Name: **Otterdam Swamp, Unnamed Tributary**

TMDL Group ID: **10048**

VAP-K32R_XDS01A06	UT to Otterdam Swamp	SURRY CO	Headwaters to mouth at Otterdam Swamp

VA Overall AU Category: **5C**

Use	Impairment	1.14 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		10048	**2006**	**2018**	VAP-K32R-12

The segment was reclassified as Class VII swampwaters during the 2006 cycle and the pH criteria was adjusted to 4.3 - 9.0 SU, however the pH violation rate remains 2/7. Although the violations are believed to be caused by natural swampwater conditions, the segment must be assessed as Cat. 5C.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

TMDL Watershed Name: **Pocaty River**

TMDL Group ID: **01577**

VAT-K41R_PCT01A02	Pocaty River	CHESAPEAKE CITY VIRGINIA BEACH CITY	Pocaty River and selected tribs. from headwaters at mile 3.92 to confluence with North Landing River at mile 0.00.

VA Overall AU Category: **5A**

Use	Impairment	7.19 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01577	**2002**	**2014**	Aquatic Life Use impairment due to low dissolved oxygen concentartions.The cause of the depressed dissolved oxygen concentrations is suspected to be naturally occurring and due to high organic content and stagnant conditions within swamp waters. Below criteria minimum = 4.0 mg/l

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed
Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chowan River and Dismal Swamp Basins

TMDL Watershed Name: **Raccoon Creek, Unnamed Tributary**

TMDL Group ID: **10012**

VAP-K25R_XFA01A06	UT to Raccoon Creek	SUSSEX CO	Headwaters to mouth

VA Overall AU Category: **5C**

Use	Impairment	4.34 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		10012	**2006**	**2018**	VAP-K25R-05

During the year 2006 cycle, Raccoon Creek and its tributaries were reclassified as Class VII swampwaters. However, the DO criteria specific for swampwater is still under development. The segment is considered impaired for DO and classified as Cat. 4C.

In addition, the segment violates the new Class VII swampwater criteria for pH, therefore the segment is assessed as Cat 5C for pH.

DO 6/14, pH 4/14 at 5AXFA000.27
DO 3/11, pH 3/11 at 5AXFA002.50

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

TMDL Watershed Name: **Rattlesnake Creek**

TMDL Group ID: **01318**

VAP-K10R_RSK01A00	Rattlesnake Creek	BRUNSWICK CO GREENSVILLE CO	Edwards Creek to Fontaine Creek.

VA Overall AU Category: **5A**

Use	Impairment	8.92 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		01318	**2002**	**2010**	VAP-K10R-01

The segment was assessed in 2004 as not supporting of both the Recreation and Aquatic Life Uses based on sampling at the Route 672 bridge (5ARSK003.08) (pH 4/20; fecal coliform 3/20).

Monitoring ceased in 2001, therefore the 2004 assessment is carried over.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chowan River and Dismal Swamp Basins

TMDL Watershed Name: **Rattlesnake Swamp**

TMDL Group ID: **00637**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAT-K34R_RKN01A02	**Rattlesnake Swamp**	ISLE OF WIGHT CO	Located northwest of Raynor. Rattlesnake Swamp entirety. Segment from confluence of Pouches Swamp, downstream to confluence with Blackwater River.

VA Overall AU Category: **5F**

Use	Impairment	6.09 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		00637	**2002**	**2010**	Aquatic Life Use is impaired due to depressed DO concentrations, impairment continued from 2004 IR (segment Class change from III to VII, can not delist previous impairments since current data (15 violates / 52 obs.) does not meet previous criteria applicable at time of listing = 4.0 mg/l). Impairment is suspected due to natural swamp conditions present in these waters.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed
Source Unknown

TMDL Group ID: **00661**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-K10R_RSK01A00	**Rattlesnake Creek**	BRUNSWICK CO GREENSVILLE CO	Edwards Creek to Fontaine Creek.

VA Overall AU Category: **5A**

Use	Impairment	8.92 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		00661	**2002**	**2010**	VAP-K10R-01 The segment was assessed in 2004 as not supporting of both the Recreation and Aquatic Life Uses based on sampling at the Route 672 bridge (5ARSK003.08) (pH 4/20; fecal coliform 3/20). Monitoring ceased in 2001, therefore the 2004 assessment is carried over.

Sources: Source Unknown

TMDL Watershed Name: **Redhead Bay at Drum Point**

TMDL Group ID: **76065**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAT-K42E_BKY02A00	**Redhead Bay at Drum Point**	VIRGINIA BEACH CITY	Redhead Bay at Drum Point, mouth of Nawney Creek

VA Overall AU Category: **5A**

Use	Impairment	0.20 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Enterococcus**		76065	**2006**	**2018**	

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chowan River and Dismal Swamp Basins

TMDL Watershed Name: **Rowanty Creek**

TMDL Group ID: **01351**

VAP-K23R_ROW02A00 **Rowanty Creek** DINWIDDIE CO Rowanty Creek between Gravelly Run and Little Cattail Creek.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	1.11 MILES	01351	**2002**	**2014**	VAP-K23R-02

This segment of Rowanty Creek is considered not supporting the Recreation Use based on a fecal coliform violation rate of 6/20 at the Route 605 bridge (5AROW013.14) during the 2004 cycle.

Sources: Source Unknown

TMDL Watershed Name: **Rowanty Creek, Gosee Swamp and Tributaries**

TMDL Group ID: **00477**

VAP-K23R_GSE01A98 **Gosee Swamp and tributaries** PRINCE GEORGE CO SUSSEX CO Gosee Swamp and all its tributaries.

VA Overall AU Category: **5C**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**	12.51 MILES	00477	**1998**	**2010**	VAP-K23R-01

The Gosee Swamp watershed was assessed as not supporting of the Aquatic Life use because of a DO violation rate of 2/2 and a pH 2/2 at 5AGSE001.35 during the 1998 cycle. There has been no additional monitoring.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

VAP-K23R_HRA01A04 **Hatcher Run** DINWIDDIE CO Hatcher Run from its headwaters to the pond below 627.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**	4.38 MILES	00477	**1998**	**2010**	VAP-K23R-01

The entire Rowanty Creek watershed has previously been assessed not supporting of the Aquatic Life use support goal based on DO and pH violations at 5AHRA010.94, 5AROW013.14, and 5AROW002.41 and DO, pH violations in 1994 at 5APCT001.23, 5AGRV006.00. 5AGRV004.35, 5AHRA010.94, 5AHRA003.42, 5AHRA002.92, 5AATH003.28, 5ALCC000.54, 5AROW008.64, and 5AROW004.72.

During the 2006 cycle, the lower portion of the Rowanty Creek watershed below Gravelly Run was reclassified as Class VII swampwaters. That segment is now in conformance with the pH and DO standards and will be delisted. However, the upper Class III portion still has pH and DO violations at 5AATH003.28 (3/4, 3/4) and 5AHRA010.94 (4/12, 4/13) and will remain impaired.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chowan River and Dismal Swamp Basins

TMDL Watershed Name: **Rowanty Creek, Gosee Swamp and Tributaries**

TMDL Group ID: **00477**

VAP-K23R_ROW01A98	Rowanty Creek and Tributaries	DINWIDDIE CO	Rowanty Creek watershed above Gravelly Run, excluding Hatcher Run from its headwaters to the pond below Rt. 627. Segment split in 2006 and VAP-K23R_ROW03A06 was added.

VA Overall AU Category: **5C**

Use	Impairment	93.46 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		00477	**1998**	**2010**	VAP-K23R-01

The entire Rowanty Creek watershed has previously been assessed not supporting of the Aquatic Life use support goal based on DO and pH violations at 5AHRA010.94, 5AROW013.14, and 5AROW002.41 and DO, pH violations in 1994 at 5APCT001.23, 5AGRV006.00. 5AGRV004.35, 5AHRA010.94, 5AHRA003.42, 5AHRA002.92, 5AATH003.28, 5ALCC000.54, 5AROW008.64, and 5AROW004.72.

During the 2006 cycle, the lower portion of the Rowanty Creek watershed below Gravelly Run was reclassified as Class VII swampwaters. That segment is now in conformance with the pH and DO standards and will be delisted. However, the upper Class III portion still has pH and DO violations at 5AATH003.28 (3/4, 3/4) and 5AHRA010.94 (4/12, 4/13) and will remain impaired.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

TMDL Group ID: **00478**

VAP-K23R_GSE01A98	Gosee Swamp and tributaries	PRINCE GEORGE CO SUSSEX CO	Gosee Swamp and all its tributaries.

VA Overall AU Category: **5C**

Use	Impairment	12.51 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		00478	**1998**	**2010**	VAP-K23R-01

The Gosee Swamp watershed was assessed as not supporting of the Aquatic Life use because of a DO violation rate of 2/2 and a pH 2/2 at 5AGSE001.35 during the 1998 cycle. There has been no additional monitoring.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chowan River and Dismal Swamp Basins

TMDL Watershed Name: **Rowanty Creek, Gosee Swamp and Tributaries**

TMDL Group ID: **00478**

VAP-K23R_HRA01A04 **Hatcher Run** DINWIDDIE CO Hatcher Run from its headwaters to the pond below 627.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	4.38 MILES	00478	**1998**	**2010**	VAP-K23R-01

The entire Rowanty Creek watershed has previously been assessed not supporting of the Aquatic Life use support goal based on DO and pH violations at 5AHRA010.94, 5AROW013.14, and 5AROW002.41 and DO, pH violations in 1994 at 5APCT001.23, 5AGRV006.00. 5AGRV004.35, 5AHRA010.94, 5AHRA003.42, 5AHRA002.92, 5AATH003.28, 5ALCC000.54, 5AROW008.64, and 5AROW004.72.

During the 2006 cycle, the lower portion of the Rowanty Creek watershed below Gravelly Run was reclassified as Class VII swampwaters. That segment is now in conformance with the pH and DO standards and will be delisted. However, the upper Class III portion still has pH and DO violations at 5AATH003.28 (3/4, 3/4) and 5AHRA010.94 (4/12, 4/13) and will remain impaired.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

VAP-K23R_ROW01A98 **Rowanty Creek and Tributaries** DINWIDDIE CO Rowanty Creek watershed above Gravelly Run, excluding Hatcher Run from its headwaters to the pond below Rt. 627. Segment split in 2006 and VAP-K23R_ROW03A06 was added.

VA Overall AU Category: **5C**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	93.46 MILES	00478	**1998**	**2010**	VAP-K23R-01

The entire Rowanty Creek watershed has previously been assessed not supporting of the Aquatic Life use support goal based on DO and pH violations at 5AHRA010.94, 5AROW013.14, and 5AROW002.41 and DO, pH violations in 1994 at 5APCT001.23, 5AGRV006.00. 5AGRV004.35, 5AHRA010.94, 5AHRA003.42, 5AHRA002.92, 5AATH003.28, 5ALCC000.54, 5AROW008.64, and 5AROW004.72.

During the 2006 cycle, the lower portion of the Rowanty Creek watershed below Gravelly Run was reclassified as Class VII swampwaters. That segment is now in conformance with the pH and DO standards and will be delisted. However, the upper Class III portion still has pH and DO violations at 5AATH003.28 (3/4, 3/4) and 5AHRA010.94 (4/12, 4/13) and will remain impaired.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chowan River and Dismal Swamp Basins

TMDL Watershed Name: **Sappony Creek**

TMDL Group ID: **10009**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-K22R_SAP01A00	**Sappony Creek**	DINWIDDIE CO SUSSEX CO	Headwaters to Spiers Pond.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	20.98 MILES	10009	**2006**	**2018**	VAP-K22R-03 The segment was assessed as impaired of the Recreation Use due to an E. coli violation rate of 3/12 at 5ASAP005.54 during the 2006 cycle. The E. coli rate at 5ASAP013.69 was acceptable (2/19).

Sources: Source Unknown

TMDL Watershed Name: **Seacock Swamp - Upper**

TMDL Group ID: **00638**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAT-K35R_SCK01A00	**Seacock Swamp - Upper**	SOUTHAMPTON CO SURRY CO	Located west of Rt 460, south of Sussex - Southampton Co. line. Upper portion of Seacock Swamp, from Drumwright Pond downstream to confluence with unnamed tributary, approx. 0.1 mi downstream of Rt 628 crossing.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	0.80 MILES	00638	**1998**	**2010**	Aquatic Life Use is impaired due to depressed DO concentrations, impairment continued from 2004 IR (segment Class change from III to VII, can not delist previous impairments since current data (2 violates / 8 obs.) does not meet previous criteria applicable at time of listing). Impairment is suspected due to natural swamp conditions present in these waters. . Below criteria minimum = 4.0 mg/l

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

TMDL Group ID: **76050**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAT-K35R_SCK01A00	**Seacock Swamp - Upper**	SOUTHAMPTON CO SURRY CO	Located west of Rt 460, south of Sussex - Southampton Co. line. Upper portion of Seacock Swamp, from Drumwright Pond downstream to confluence with unnamed tributary, approx. 0.1 mi downstream of Rt 628 crossing.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	0.80 MILES	76050	**2006**	**2018**	

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chowan River and Dismal Swamp Basins

TMDL Watershed Name: **Seacock Swamp, Lower**

TMDL Group ID: **01557**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAT-K35R_SCK02A00	**Seacock Swamp - Lower**	SOUTHAMPTON CO	Located west of Rt 460, north of Ivor. Lower portion of Seacock Swamp, from confluence with Brantley Swamp (RM 8.73) downstream to confluence with Round Hill Swamp (RM 6.26).

VA Overall AU Category: **5A**

Use	Impairment	2.47 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		01557	**2004**	**2016**	

Sources: Source Unknown

TMDL Watershed Name: **Seacock Swamp, Unnamed Tributary**

TMDL Group ID: **01558**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAT-K35R_XDY01A04	**UT Seacock Swamp**	SURRY CO	UT to Seacock Swamp, PRO CAFO special study. Headwaters to confluence with Seacock Swamp mainstem.

VA Overall AU Category: **5A**

Use	Impairment	1.02 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		01558	**2004**	**2016**	Confined animal operations are present in the watershed.

Sources: Source Unknown

TMDL Group ID: **01559**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAT-K35R_XDY01A04	**UT Seacock Swamp**	SURRY CO	UT to Seacock Swamp, PRO CAFO special study. Headwaters to confluence with Seacock Swamp mainstem.

VA Overall AU Category: **5A**

Use	Impairment	1.02 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01559	**2004**	**2016**	Aquatic Life Use is impaired due to depressed DO concentrations, impairment continued from 2004 IR (segment Class change from III to VII, can not delist previous impairments since current data (3 violates / 6 obs) does not meet previous criteria applicable at time of listing). Impairment is suspected due to natural swamp conditions present in these waters, but confined animal operations are present in the watershed. Below criteria minimum = 4.0 mg/l

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chowan River and Dismal Swamp Basins

TMDL Watershed Name: **Seacock Swamp, Unnamed Tributary**

TMDL Group ID: **01560**

VAT-K35R_XDY01A04	UT Seacock Swamp	SURRY CO	UT to Seacock Swamp, PRO CAFO special study. Headwaters to confluence with Seacock Swamp mainstem.

VA Overall AU Category: **5A**

Use	Impairment	1.02 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		01560	**2004**	**2016**	Aquatic Life Use is impaired due to depressed pH concentrations, impairment continued from 2004 IR (segment Class change from III to VII, can not delist previous impairments since current data (2 violates / 6 obs) does not meet previous criteria applicable at time of listing). Impairment is suspected due to natural swamp conditions present in these waters. Below pH minimum criteria = 6.0 SU

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

TMDL Watershed Name: **Seacock Swamp, Upper**

TMDL Group ID: **00669**

VAT-K35R_SCK01A00	Seacock Swamp - Upper	SOUTHAMPTON CO SURRY CO	Located west of Rt 460, south of Sussex - Southampton Co. line. Upper portion of Seacock Swamp, from Drumwright Pond downstream to confluence with unnamed tributary, approx. 0.1 mi downstream of Rt 628 crossing.

VA Overall AU Category: **5A**

Use	Impairment	0.80 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		00669	**1998**	**2010**	Aquatic Life Use is impaired due to depressed pH concentrations, impairment continued from 2004 IR (segment Class change from III to VII, can not delist previous impairments since current data (2 violates / 8 obs.) does not meet previous criteria applicable at time of listing). Impairment is suspected due to natural swamp conditions present in these waters. . Below pH minimum criteria = 6.0 SU

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chowan River and Dismal Swamp Basins

TMDL Watershed Name: **Seacorrie Swamp**

TMDL Group ID: **01362**

VAP-K29R_SRE01A02	Seacorrie Swamp	SUSSEX CO	Seacorrie Swamp

VA Overall AU Category: **5A**

Use	Impairment	6.90 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		01362	**2006**	**2014**	VAP-K29R-01 E. coli added in 2006. Existing TMDL date for the fecal coliform impairment was maintained.
		Sources:	Animal Feeding Operations (NPS) Source Unknown			
Recreation	**Fecal Coliform**		01362	**2002**	**2014**	VAP-K29R-01 E. coli added in 2006. Existing TMDL date for the fecal coliform impairment was maintained.
		Sources:	Animal Feeding Operations (NPS) Source Unknown			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chowan River and Dismal Swamp Basins

TMDL Watershed Name: **Seacorrie Swamp, Unnamed Tributary**

TMDL Group ID: **00527**

VAP-K29R_XDX01A02	Seacorrie Swamp, UT	SUSSEX CO	Unnamed tributary to Seacorrie Swamp

VA Overall AU Category: **5A**

Use	Impairment	1.46 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Ammonia (Un-ionized)**		00527	**2002**	**2014**	VAP-K29R-01 Assamoosick Swamp, Seacorrie Swamp, German Swamp, and Pigeon Swamp were originally listed as impaired of the Aquatic Life Use in 1998 based on pH and DO violations throughout the watershed. Station 5AASM008.12 was later mistakenly listed on EPA's ""Waters Identified to Virginia for Listing Consideration During Development of the Next List"" for pH even though the segment was already 303(d) listed. The pH and DO TMDLs for these creeks are due in 2010. In the year 2002 cycle, UT to Seacorrie Swamp XDX was added for DO and ammonia. These TMDLs are due in 2014.
		Sources:	Animal Feeding Operations (NPS) Source Unknown			
Wildlife	**Ammonia (Un-ionized)**		00527	**2002**	**2014**	VAP-K29R-01 In 2004, the segment was considered impaired because of ammonia violations. Although there were no exceedances of the acute criteria during the 2006, there were 2 exceedances of the chronic criteria, therefore the segment will remain listed.
		Sources:	Animal Feeding Operations (NPS) Source Unknown			

TMDL Group ID: **01363**

VAP-K29R_XDX01A02	Seacorrie Swamp, UT	SUSSEX CO	Unnamed tributary to Seacorrie Swamp

VA Overall AU Category: **5A**

Use	Impairment	1.46 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		01363	**2006**	**2014**	VAP-K29R-01 E. coli was added in 2006, but the TMDL due date for the initial fecal coliform impairment is maintained.
		Sources:	Animal Feeding Operations (NPS) Source Unknown			
Recreation	**Fecal Coliform**		01363	**2002**	**2014**	VAP-K29R-01 E. coli was added in 2006, but the TMDL due date for the initial fecal coliform impairment is maintained.
		Sources:	Animal Feeding Operations (NPS) Source Unknown			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chowan River and Dismal Swamp Basins

TMDL Watershed Name: **Second Swamp**

TMDL Group ID: **01369**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-K31R_SEC01A04	**Second Swamp**	PETERSBURG CITY PRINCE GEORGE CO	The entire mainstem of Second Swamp

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	15.21 MILES	01369	**2004**	**2016**	VAP-K31R-02 The segment remains impaired of the Recreation Use due to a fecal coliform violation rate of 2/12.

Sources: Source Unknown

TMDL Watershed Name: **Shipps Bay, Back Bay Area**

TMDL Group ID: **76066**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAT-K42E_SHB01A00	**Shipps Bay, Back Bay Area**	VIRGINIA BEACH CITY	Shipps Bay portion of main Back Bay waters. South of North Bay.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**	3.00 SQUARE MILES	76066	**2006**	**2018**	pH impairment due to low (<6.0 SU) concentrations 3/21 [5.81, 5.91, 5.92 SU].

Sources: Source Unknown

TMDL Watershed Name: **Somerton Creek**

TMDL Group ID: **00640**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAT-K38R_STN01A00	**Somerton Creek**	SUFFOLK CITY	Somerton Creek from 5 miles upstream from monitoring station (RM 10.36) downstream to VA/NC state line.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	10.36 MILES	00640	**1996**	**2010**	pH & DO impairments continued from 2004 IR (segment Class change from III to VII, can not delist previous impairments since current data does not meet previous criteria applicable at time of listing). Below criteria minimum = 4.0 mg/l. The pH & DO impairment are suspected due to natural swamp conditions present in these waters.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chowan River and Dismal Swamp Basins

TMDL Watershed Name: **Somerton Creek**

TMDL Group ID: **00671**

VAT-K38R_STN01A00	Somerton Creek	SUFFOLK CITY	Somerton Creek from 5 miles upstream from monitoring station (RM 10.36) downstream to VA/NC state line.

VA Overall AU Category: **5A**

Use	Impairment	10.36 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		00671	**1996**	**2010**	pH & DO impairments continued from 2004 IR (segment Class change from III to VII, can not delist previous impairments since current data does not meet previous criteria applicable at time of listing). Below pH minimum criteria = 6.0 SU. The pH & DO impairment are suspected due to natural swamp conditions present in these waters.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

TMDL Group ID: **76053**

VAT-K38R_STN01A00	Somerton Creek	SUFFOLK CITY	Somerton Creek from 5 miles upstream from monitoring station (RM 10.36) downstream to VA/NC state line.

VA Overall AU Category: **5A**

Use	Impairment	10.36 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		76053	**2006**	**2018**	ALUS impairment due to benthic assessemnt rating of MI in 2000 & 2004.

Sources: Source Unknown

TMDL Watershed Name: **Somerton Creek, Unnamed Tributary (March Swamp)**

TMDL Group ID: **01570**

VAT-K38R_MAR01A06	March Swamp	SUFFOLK CITY	Northeast of Factory Hill. Northern tributary to Somerton Creek, parallel to Rt 615.

VA Overall AU Category: **5C**

Use	Impairment	7.47 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01570	**2004**	**2016**	Aquatic Life Use impaired due to depressed DO concentrations, impairment continued from 2004 IR (segment Class change from III to VII, can not delist previous impairments since current data does not meet previous criteria (2/11) applicable at time of listing). Below criteria minimum = 4.0 mg/l. Impairment is suspected due to natural swamp conditions present in these waters.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chowan River and Dismal Swamp Basins

TMDL Watershed Name: **Somerton Creek, Unnamed Tributary (March Swamp)**

TMDL Group ID: **01571**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAT-K38R_MAR01A06	**March Swamp**	SUFFOLK CITY	Northeast of Factory Hill. Northern tributary to Somerton Creek, parallel to Rt 615.

VA Overall AU Category: **5C**

Use	Impairment	7.47 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		01571	**2004**	**2016**	Aquatic Life Use impaired due to depressed pH concentrations, impairment continued from 2004 IR (segment Class change from III to VII, can not delist previous impairments since current data does not meet previous criteria (6/11) applicable at time of listing). Below pH minimum criteria = 6.0 SU. Impairment is suspected due to natural swamp conditions present in these waters.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

TMDL Watershed Name: **South Meherrin River**

TMDL Group ID: **50101**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAC-K01R_SMR01A06	**South Meherrin River**	LUNENBERG CO MECKLENBURG CO	South Meherrin River from Finneywood Creek to Blackstone Creek.

VA Overall AU Category: **5A**

Use	Impairment	7.02 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		50101	**2006**	**2018**	

Sources: Source Unknown

TMDL Watershed Name: **Spring Branch**

TMDL Group ID: **00204**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-K32R_SRN01A94	**Spring Branch**	SUSSEX CO	Spurlock Adhesives discharge to Blackwater River.

VA Overall AU Category: **5A**

Use	Impairment	3.52 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		00204	**1998**	**2010**	VAP-K32R-02 The benthic TMDL is in progress. Preliminary indications show excessive Total Phosphorus as the impairing cause.

Sources: Industrial Point Source Discharge
Municipal Point Source Discharges
Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chowan River and Dismal Swamp Basins

TMDL Watershed Name: **Stony Creek**

TMDL Group ID: **01307**

VAP-K04R_SNY01A96	Stony Creek	LUNENBERG CO	Headwaters to mouth.

VA Overall AU Category: **5A**

Use	Impairment	13.78 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		01307	**2004**	**2016**	VAP-K04R-01

During the 2004 cycle, the segment was assessed not supporting of the Recreation use support goal based on a fecal coliform violation rate of 3/19 at the Rt. 602 bridge (5ASNY000.65).

There was no new data since 02/2001, therefore the 2004 assessment status is carried over.

Sources: Source Unknown

TMDL Watershed Name: **Sturgeon Creek**

TMDL Group ID: **01338**

VAP-K18R_STG01A98	Sturgeon Creek	BRUNSWICK CO	Lloyds Run to Nottoway River.

VA Overall AU Category: **5A**

Use	Impairment	8.06 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		01338	**2004**	**2016**	VAP-K18R-01

During the year 2004 cycle, the segment had a pH violation rate of 2/19 at 5ASTG005.96 and was assessed not supporting of the Aquatic Life use goal. No new data has been collected since 2001, therefore the 2004 assessment is carried over. The TMDL is due in 2016.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chowan River and Dismal Swamp Basins

TMDL Watershed Name: **Tarrara Creek**

TMDL Group ID: **00634**

VAT-K13R_TRR01A00	Tarrara Creek	SOUTHAMPTON CO	Located northeast of Boykins. All of Tarrara Creek. Flat, marshy with low flow swamp characteristics.

VA Overall AU Category: **5A**

Use	Impairment	13.61 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		00634	**1996**	**2010**	The DO impairment is continued from 2004 IR. Although the segment standard Class has changed from III to VII, can not delist previous impairment for DO since current data (7 violates / 39 obs. = 17.9% violation rate) does not meet previous criteria (2004 IR DO criteria = 4.0 mg/l minimum) applicable at time of listing. The cause of the impairment is suspected to be naturally occurring and due to high organic content and stagnant (low freshwater flow) conditions within these waters.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

TMDL Watershed Name: **Three Creek**

TMDL Group ID: **10108**

VAP-K26R_TRE02B98	Three Creek	GREENSVILLE CO SOUTHAMPTON CO	Otterdam Swamp to Browns Branch.

VA Overall AU Category: **5A**

Use	Impairment	6.44 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		10108	**2006**	**2018**	VAP-K26R-02 During the year 2006 cycle, the segment was assessed not supporting of the Recreation use support goal based on an E. coli violation rate of 3/9 at 5ATRE022.05.

Sources: Source Unknown

TMDL Watershed Name: **Three Creek - Upper**

TMDL Group ID: **76045**

VAT-K27R_TRE01A00	Three Creek - Upper	SOUTHAMPTON CO	From confluence of Chatman Branch (RM 20.95) downstream to above Southampton Correctional Farm at Rt 308 crossing (RM 10.04).

VA Overall AU Category: **5A**

Use	Impairment	9.12 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		76045	**2006**	**2018**	Stream benthic monitoring assessment indicates impairment (MI in Spring-'00,Fall-'0

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chowan River and Dismal Swamp Basins

TMDL Watershed Name: **Three Creek - Upper**

TMDL Group ID: **76046**

VAT-K27R_TRE01A00	Three Creek - Upper	SOUTHAMPTON CO	From confluence of Chatman Branch (RM 20.95) downstream to above Southampton Correctional Farm at Rt 308 crossing (RM 10.04).

VA Overall AU Category: **5A**

Use	Impairment	9.12 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		76046	**2006**	**2018**	{\rtf1\ansi\deff0\deftab720{\fonttbl{\f0\fswiss MS Sans Serif;}{\f1\froman\fcharset2 Symbol;}} {\colortbl\red0\green0\blue0;} \deflang1033\pard\plain\f0\fs17 Exceedance of both Ecoli (2/16) & FC (7/30) criteria. \par }

Sources: Source Unknown

TMDL Watershed Name: **Three Creek, Lower**

TMDL Group ID: **01546**

VAT-K27R_TRE02A00	Three Creek - Lower	SOUTHAMPTON CO	Lower portion of Three Creek. From area of Southampton Correctional Center at Rt 308 crossing (RM 10.04) downstream to confluence with Nottoway River (RM 0.00).

VA Overall AU Category: **5A**

Use	Impairment	13.31 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		01546	**2006**	**2010**	The Recreation Use is impaired due to bacteria exceedances of the criteria for Ecoli. Previous impairment based on fecal coliform is replaced by new standard for Ecoli, effective with attainment of observation minimum (2 violates / 15 observations). TMDL due date retained per H. Augustine e-mail 2/6/06. Exceedance of both Ecoli (2/16) & FC (5/33) criteria.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chowan River and Dismal Swamp Basins

TMDL Watershed Name: **Waqua Creek**

TMDL Group ID: **01335**

VAP-K17R_WAQ01B00	Waqua Creek	BRUNSWICK CO LUNENBERG CO	Headwaters to Route 46 bridge.

VA Overall AU Category: **5A**

Use	Impairment	2.18 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01335	**2002**	**2014**	VAP-K17R-02

In 2004, the segment was assessed not supporting of the Aquatic Life Use and Recreation Use goals based on the following violations:
pH 7/17 at 5AWAQ020.52 (Route 617);
DO 2/11, pH 10/11 at 5AWAQ022.17;
Fecal coliform 5/19 at 5AWAQ020.52 and 2/10 at 5AWAQ022.17.

These stations were confined animal feeding operation (CAFO) special study stations.

There has been no additional monitoring since 2002, so the 2004 assessment is carried over.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed
Source Unknown

TMDL Group ID: **01336**

VAP-K17R_WAQ01B00	Waqua Creek	BRUNSWICK CO LUNENBERG CO	Headwaters to Route 46 bridge.

VA Overall AU Category: **5A**

Use	Impairment	2.18 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		01336	**2002**	**2014**	VAP-K17R-02

In 2004, the segment was assessed not supporting of the Aquatic Life Use and Recreation Use goals based on the following violations:
pH 7/17 at 5AWAQ020.52 (Route 617);
DO 2/11, pH 10/11 at 5AWAQ022.17;
Fecal coliform 5/19 at 5AWAQ020.52 and 2/10 at 5AWAQ022.17.

These stations were confined animal feeding operation (CAFO) special study stations.

There has been no additional monitoring since 2002, so the 2004 assessment is carried over.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed
Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chowan River and Dismal Swamp Basins

TMDL Watershed Name: **Waqua Creek**

TMDL Group ID: **01337**

VAP-K17R_WAQ01B00	Waqua Creek	BRUNSWICK CO LUNENBERG CO	Headwaters to Route 46 bridge.

VA Overall AU Category: **5A**

Use	Impairment	2.18 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		01337	**2002**	**2014**	VAP-K17R-02

In 2004, the segment was assessed not supporting of the Aquatic Life Use and Recreation Use goals based on the following violations:
pH 7/17 at 5AWAQ020.52 (Route 617);
DO 2/11, pH 10/11 at 5AWAQ022.17;
Fecal coliform 5/19 at 5AWAQ020.52 and 2/10 at 5AWAQ022.17.

These stations were confined animal feeding operation (CAFO) special study stations.

There has been no additional monitoring since 2002, so the 2004 assessment is carried over.

Sources: Source Unknown

TMDL Watershed Name: **Warwick Swamp**

TMDL Group ID: **01367**

VAP-K31R_WKS01A00	Warwick Swamp	DINWIDDIE CO PRINCE GEORGE CO	Warwick Swamp from its headwaters to the Route 627 bridge.

VA Overall AU Category: **5A**

Use	Impairment	12.87 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		01367	**2002**	**2014**	VAP-K31R-01

In the 1998 cycle, Warwick Swamp from its headwaters to the Route 627 bridge was assessed fully supporting but threatened of the Recreation use. During the year 2002 cycle, the entire mainstems of Warwick Swamp and Blackwater Swamp were considered impaired of the Recreation use. Due to an acceptable fecal coliform violation rate at 5AWKS001.00, the Warwick Swamp segment was shortened to its original length in 2004. During the 2006 cycle, there was no additional monitoring at 5AWKS009.11, therefore the impairment is carried over. The fecal coliform TMDL is due in 2014.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chowan River and Dismal Swamp Basins

TMDL Watershed Name: **West Neck Creek - Lower**

TMDL Group ID: **76060**

VAT-K41R_WNC02A04	West Neck Creek - Lower	VIRGINIA BEACH CITY	Segment and tribs. from widening of creek (RM 3.10) approx. 0.55 mi downstream of Indian River Road crossing downstream to mouth (RM 0.0) at confluence with North Landing River.

VA Overall AU Category: **5D**

Use	Impairment	6.11 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		76060	**2006**	**2005**	Category 4A. EPA approved 9/27/2005. Recreation Use impaired due to Ecoli concentrations exceeding the swimming indicator criteria (2/15).

Sources: Source Unknown

TMDL Watershed Name: **West Neck Creek, Lower**

TMDL Group ID: **01579**

VAT-K41R_WNC02A04	West Neck Creek - Lower	VIRGINIA BEACH CITY	Segment and tribs. from widening of creek (RM 3.10) approx. 0.55 mi downstream of Indian River Road crossing downstream to mouth (RM 0.0) at confluence with North Landing River.

VA Overall AU Category: **5D**

Use	Impairment	6.11 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Chloride**		01579	**2004**	**2016**	Exceed stream chloride criteria = 860 mg/L. The cause of the chloride standard exceedance is attributed to naturally occurring conditions of saline water intrusion from upstream and downstream estuarine waters.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

Wildlife	**Chloride**		01579	**2004**	**2016**	Exceed stream chloride criteria = 860 mg/L. The cause of the chloride standard exceedance is attributed to naturally occurring conditions of saline water intrusion from upstream and downstream estuarine waters.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

TMDL Watershed Name: **West Neck Creek, Middle**

TMDL Group ID: **00189**

VAT-K41R_WNC01A00	West Neck Creek - Middle	VIRGINIA BEACH CITY	Segment from southside of Princess Anne road crossing (RM 6.20) downstream to widening of creek (RM 3.10) approx. 0.55 mi downstream of Indian River Road crossing.

VA Overall AU Category: **5D**

Use	Impairment	3.84 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		00189	**2002**	**2005**	Category 4A. EPA approved 9/27/2005. Previous impairment (TMDL ID: VAT-K41R-05) based on fecal coliform is retained as data shows impairment (7 violates / 38 observations). Not able to replace with the new standard for Ecoli, although shows support (1 violate / 11 observations) as can replace with new Ecoli criteria only after attainment of 12 observation minimum.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chowan River and Dismal Swamp Basins

TMDL Watershed Name: **West Neck Creek, Middle**

TMDL Group ID: **00644**

VAT-K41R_WNC01A00	West Neck Creek - Middle	VIRGINIA BEACH CITY	Segment from southside of Princess Anne road crossing (RM 6.20) downstream to widening of creek (RM 3.10) approx. 0.55 mi downstream of Indian River Road crossing.

VA Overall AU Category: **5D**

Use	Impairment	3.84 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		00644	**1998**	**2010**	The cause of the depressed dissolved oxygen concentrations is suspected to be naturally occurring and due to high organic content and stagnant conditions within swamp waters. Below criteria minimum = 4.0 mg/l

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

TMDL Group ID: **01578**

VAT-K41R_WNC01A00	West Neck Creek - Middle	VIRGINIA BEACH CITY	Segment from southside of Princess Anne road crossing (RM 6.20) downstream to widening of creek (RM 3.10) approx. 0.55 mi downstream of Indian River Road crossing.

VA Overall AU Category: **5D**

Use	Impairment	3.84 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Chloride**		01578	**2004**	**2016**	The cause of the chloride standard exceedance is attributed to naturally occurring conditions of saline water intrusion from upstream and downstream estuarine waters. Exceed stream chloride criteria = 860 mg/L.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

Wildlife	**Chloride**	01578	**2004**	**2016**	

Sources: Natural Sources

Note: * Includes Category 4A and 4C Impairments within each Assessment Unit. Assessment Units may extend across jurisdictional boundaries.

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Tennessee and Big Sandy River Basins

TMDL Watershed Name: **Abrams Creek**

TMDL Group ID: **50193**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-O12R_ABR01A00	**Abrams Creek**	WASHINGTON CO	Mainstem from headwaters to confluence with North Fork Holston. Section 1, Class IV.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	11.37 MILES	50193	**2006**	**2018**	

Sources: Source Unknown

TMDL Watershed Name: **Bark Camp Branch**

TMDL Group ID: **40105**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-P12R_BAR01A02	**Bark Camp Branch**	SCOTT CO WISE CO	Headwaters and tributary downstream to Stony Creek confluence. Section 2, Class IV.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**	3.01 MILES	40105	**2004**	**2016**	

Sources: Atmospheric Deposition - Acidity

TMDL Watershed Name: **Beaver Creek**

TMDL Group ID: **00048**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-O07R_BEV01A94	**Beaver Creek**	BRISTOL CITY WASHINGTON CO	Mainstem from Beaver Ck dam downstream to TN political boundary including tributaries. Section 4, Class IV.

VA Overall AU Category: **5D**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	7.13 MILES	00048	**2006**	**2004**	Category 4A: e.coli and benthic macroinvertebrate bioassessment Fed ID 17709.TMDL approved 7.06.2004. The original fecal coliform impairment is no longer appropriate because there are 12 or more e.coli samples that indicate impairment.

Sources: Discharges from Municipal Separate Storm Sewer Systems (MS4)
Livestock (Grazing or Feeding Operations)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-O07R_BEV02A94	**Beaver Creek**	WASHINGTON CO	From headwaters of Beaver Creek downstream to Beaver Ck flood control dam. Section 4, Class V, designated stockable trout waters DGIF vi.

VA Overall AU Category: **5D**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	7.57 MILES	00048	**2006**	**2004**	Category 4A: e.coli and benthic macroinvertebrate bioassessment Fed ID 17709.TMDL approved 7.06.2004

Sources: Grazing in Riparian or Shoreline Zones

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Tennessee and Big Sandy River Basins

TMDL Watershed Name: **Beaver Creek**

TMDL Group ID: **00049**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-O07R_BEV01A94	**Beaver Creek**	BRISTOL CITY WASHINGTON CO	Mainstem from Beaver Ck dam downstream to TN political boundary including tributaries. Section 4, Class IV.

VA Overall AU Category: **5D**

Use	Impairment	7.13 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		00049	**1998**	**2004**	Category 4A: e.coli and benthic macroinvertebrate bioassessment Fed ID 17709.TMDL approved 7.06.2004

Sources: Animal Feeding Operations (NPS)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-O07R_BEV02A94	**Beaver Creek**	WASHINGTON CO	From headwaters of Beaver Creek downstream to Beaver Ck flood control dam. Section 4, Class V, designated stockable trout waters DGIF vi.

VA Overall AU Category: **5D**

Use	Impairment	7.57 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		00049	**1998**	**2004**	Category 4A: e.coli and benthic macroinvertebrate bioassessment Fed ID 17709.TMDL approved 7.06.2004

Sources: Streambank Modifications/destablization

TMDL Group ID: **00508**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-O07R_BEV01A94	**Beaver Creek**	BRISTOL CITY WASHINGTON CO	Mainstem from Beaver Ck dam downstream to TN political boundary including tributaries. Section 4, Class IV.

VA Overall AU Category: **5D**

Use	Impairment	7.13 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Lead**		00508	**2004**	**2004**	

Sources: Source Unknown

TMDL Group ID: **30008**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-O07R_BEV01A94	**Beaver Creek**	BRISTOL CITY WASHINGTON CO	Mainstem from Beaver Ck dam downstream to TN political boundary including tributaries. Section 4, Class IV.

VA Overall AU Category: **5D**

Use	Impairment	7.13 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		30008	**2006**	**2016**	

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Tennessee and Big Sandy River Basins

TMDL Watershed Name: **Beaver Creek**

TMDL Group ID: **30008**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-O07R_BEV02A94	**Beaver Creek**	WASHINGTON CO	From headwaters of Beaver Creek downstream to Beaver Ck flood control dam. Section 4, Class V, designated stockable trout waters DGIF vi.

VA Overall AU Category: **5D**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	7.57 MILES	30008	**2006**	**2016**	

Sources: Source Unknown

TMDL Watershed Name: **Beaverdam Creek**

TMDL Group ID: **50174**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-O02R_BVD01A00	**Beaverdam Creek**	WASHINGTON CO	Beaverdam Creek mainstem from Tennessee lline upstream to its confluence with South Fork Holston River. Section 6, Class VI, designated natural trout waters, DGIF iii.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	2.02 MILES	50174	**2006**	**2018**	

Sources: Rural (Residential Areas)

TMDL Watershed Name: **Big Cedar Creek**

TMDL Group ID: **01397**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-P06R_BCD02A00	**Big Cedar Creek**	RUSSELL CO	From Lebanon raw water intake downstream to Little Cedar Creek confluence. Section 2, Class V, designated stockable trout waters.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**	2.76 MILES	01397	**2002**	**2014**	

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-P06R_BCD02A02	**Big Cedar Creek**	RUSSELL CO	From Little Cedar Ck confluence to Glade Hollow. Section 2, Class IV.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**	1.13 MILES	01397	**2002**	**2014**	

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Tennessee and Big Sandy River Basins

TMDL Watershed Name: **Big Cedar Creek**

TMDL Group ID: **01398**

VAS-P06R_BCD02A00 **Big Cedar Creek** RUSSELL CO

From Lebanon raw water intake downstream to Little Cedar Creek confluence. Section 2, Class V, designated stockable trout waters.

VA Overall AU Category: **5A**

Use	Impairment	2.76 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		01398	**2006**	**2016**	
		Sources:	Source Unknown			
Recreation	**Fecal Coliform**		01398	**2004**	**2016**	
		Sources:	Source Unknown			

VAS-P06R_BCD02A02 **Big Cedar Creek** RUSSELL CO

From Little Cedar Ck confluence to Glade Hollow. Section 2, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	1.13 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		01398	**2004**	**2016**	
		Sources:	Agriculture Rural (Residential Areas)			

TMDL Group ID: **50203**

VAS-P06R_BCD01A98 **Big Cedar Creek** RUSSELL CO

From Glade Hollow confluence downstream to confluence with Clinch River. Section 2, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	4.12 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		50203	**2006**	**2016**	
		Sources:	Agriculture Rural (Residential Areas)			
Recreation	**Fecal Coliform**		50203	**2006**	**2016**	
		Sources:	Agriculture Rural (Residential Areas)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Tennessee and Big Sandy River Basins

TMDL Watershed Name: **Big Cedar Creek**

TMDL Group ID: **50204**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-P06R_BCD03A00	Big Cedar Creek	RUSSELL CO	Big Cedar Creek and its tributaries from Lebanon's raw water intake to a point 5 miles upstream. Section 2i, Class IV, PWS.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	3.24	MILES	50204	2006	2016	

Sources: Agriculture
Rural (Residential Areas)

TMDL Watershed Name: **Big Cherry Reservoir**

TMDL Group ID: **01410**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-P18L_PLL01L02	Big Cherry Reservior	WISE CO	East of East Stone Gap on Powell Mtn. Section 1c, Class IV, PWS.

VA Overall AU Category: **5C**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	Oxygen, Dissolved	102.94	ACRES	01410	2002	2014	

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

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TMDL Group ID: **90001**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-P18L_PLL01L02	Big Cherry Reservior	WISE CO	East of East Stone Gap on Powell Mtn. Section 1c, Class IV, PWS.

VA Overall AU Category: **5C**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	pH	102.94	ACRES	90001	2002	2014	

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

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TMDL Watershed Name: **Big Moccasin Creek**

TMDL Group ID: **01393**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-O14R_BMC01A98	Big Moccasin Creek, lower	SCOTT CO	From Red Hill Branch confluence downstream to NFH confluence. Section 1b, Class IV, PWS.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Fecal Coliform	2.83	MILES	01393	2002	2014	

Sources: Animal Feeding Operations (NPS)
Rural (Residential Areas)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Tennessee and Big Sandy River Basins

TMDL Watershed Name: **Big Moccasin Creek**

TMDL Group ID: **01393**

VAS-O14R_BMC02A00	Big Moccasin Creek	SCOTT CO	Mainstem from Red Hill Branch confluence downstream to Little Moccasin Creek confluence. Section 1b, Class IV, PWS.

VA Overall AU Category: **5A**

Use	Impairment	0.66 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		01393	**2002**	**2014**	

Sources: Animal Feeding Operations (NPS)
Rural (Residential Areas)

TMDL Watershed Name: **Big Prater Creek**

TMDL Group ID: **50224**

VAS-Q06R_BIP01A98	Big Prater Creek	BUCHANAN CO	Mainstem from the Trace Fork Br confluence downstream to the comfluence with Levisa Fork. Section 3, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	1.10 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		50224	**2006**	**2018**	

Sources: Source Unknown

TMDL Watershed Name: **Blackwater Creek**

TMDL Group ID: **01407**

VAS-P16R_BKW01A02	Blackwater Creek	LEE CO	Blackwater Creek mainstem from East Fork Blackwater Creek confluence downstream to Tennessee political boundary. Section 2, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	2.11 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		01407	**2004**	**2016**	

Sources: Grazing in Riparian or Shoreline Zones
Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Tennessee and Big Sandy River Basins

TMDL Watershed Name: **Blackwater Creek, East Fork**

TMDL Group ID: **01406**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-P16R_BCE01A00	**East Fork Blackwater Creek**	LEE CO	East Fork Blackwater Creek mainstem from the confluence of North Fork Blackwater Ck to the Blackwater Ck confluence. Section 2, Class IV.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**	1.83 MILES	01406	**2002**	**2014**	

Sources: Grazing in Riparian or Shoreline Zones
Source Unknown

TMDL Watershed Name: **Bull Creek & tributaries**

TMDL Group ID: **00396**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-Q08R_BLC01A98	**Bull Creek & tributaries**	BUCHANAN CO	Bull Ck mainstem and tributaries,including Convict Hollow, Belcher Br,Deel Fk, Cove Hollow. Section 3, Class IV.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**	16.84 MILES	00396	**1998**	**2008**	

Sources: Surface Mining

TMDL Watershed Name: **Burgess Creek**

TMDL Group ID: **50206**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-P06R_BUG01A06	**Burgess Creek**	RUSSELL CO	From Campbell Branch confluence to confluence with Big Cedar Creek. Section 2, Class IV.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	1.50 MILES	50206	**2006**	**2018**	

Sources: Agriculture

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Tennessee and Big Sandy River Basins

TMDL Watershed Name: **Butcher Fork**

TMDL Group ID: **01412**

VAS-P18R_BUH01A04	Butcher Fork	WISE CO	Headwaters downstream to South Fork Powell confluence. Section 1, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	4.86 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		01412	**2004**	**2016**	

Sources: Source Unknown

TMDL Watershed Name: **Callahan Creek**

TMDL Group ID: **00257**

VAS-P17R_CAL01A98	Callahan Creek	WISE CO	Lower mainstem from the Preacher Ck confluence downstream to the confluence with Powell River. Section 1, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	1.67 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		00257	**1998**	**2006**	

Sources: Rural (Residential Areas)
Surface Mining

TMDL Group ID: **00258**

VAS-P17R_CAL01A98	Callahan Creek	WISE CO	Lower mainstem from the Preacher Ck confluence downstream to the confluence with Powell River. Section 1, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	1.67 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		00258	**2004**	**2016**	

Sources: Rural (Residential Areas)

VAS-P17R_CAL01B04	Callahan Creek	WISE CO	Above Appalachia from Possom Trot Hollow downstream to Preacher Creek.. Section 1, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	3.43 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00258	**2006**	**2006**	

Sources: Rural (Residential Areas)

Recreation	**Fecal Coliform**		00258	**2004**	**2006**	

Sources: Rural (Residential Areas)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Tennessee and Big Sandy River Basins

TMDL Watershed Name: **Clinch River**

TMDL Group ID: **00141**

VAS-P01R_CLN01A98	Clinch River	TAZEWELL CO	Mainstem from Lincolnshire Br confluence to Plum Ck confluence. Section 2, Class IV.

VA Overall AU Category: **5D**

Use	Impairment	5.51 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		00141	**2002**	**2004**	Category 4A A TMDL for the Benthic Impairment on this waterbody was approved by EPA in April 2004. Sediment was the cause of benthic impairment.

Sources: Streambank Modifications/destablization

TMDL Group ID: **01394**

VAS-P01R_CLN01A98	Clinch River	TAZEWELL CO	Mainstem from Lincolnshire Br confluence to Plum Ck confluence. Section 2, Class IV.

VA Overall AU Category: **5D**

Use	Impairment	5.51 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		01394	**2004**	**2016**	

Sources: Rural (Residential Areas)
Source Unknown

TMDL Group ID: **01399**

VAS-P09R_CLN01A00	Clinch River	SCOTT CO	Mainstem Clinch from Little Stony Ck confluence downstream to Staunton Ck confluence. Section 2, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	6.07 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		01399	**2004**	**2016**	

Sources: Source Unknown

TMDL Group ID: **50198**

VAS-P02R_CLN01A98	Clinch River	TAZEWELL CO	Mainstream from Plum Creek downstream to Pounding Mill Branch. Section 2, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	6.02 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		50198	**2006**	**2016**	

Sources: Animal Feeding Operations (NPS)
Rural (Residential Areas)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Tennessee and Big Sandy River Basins

TMDL Watershed Name: **Clinch River**

TMDL Group ID: **50208**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-P07R_CLN01A00	Clinch River	RUSSELL CO	Mainstem from Big Cedar Creek confluence downstream to Dumps Creek confluence. Section 2, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	Impairment	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	13.95 MILES	50208	2002	2018	The original fecal coliform impairment is no longer appropriate because there are 12 or more e.coli samples that indicate impairment.

Sources: Rural (Residential Areas)

TMDL Watershed Name: **Clinch River and Tributaries**

TMDL Group ID: **01391**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-P03R_CLN01A98	Clinch River	TAZEWELL CO	The community of Raven is located here. From just upstream of the Town Hill Creek confluence downstream to the Mill Creek confluence. Section 2, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	Impairment	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Fecal Coliform	3.10 MILES	01391	2002	2014	

Sources: Rural (Residential Areas)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-P03R_CLN02A00	Clinch River and Tributaries	TAZEWELL CO	Clinch River from Mill Creek confluence upstream to Raven-Doran's raw water raw water intake. Section 2b, Class IV, PWS.

VA Overall AU Category: **5A**

Use	Impairment	Impairment	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	5.40 MILES	01391	2004	2016	The original fecal coliform impairment is no longer appropriate because there are 12 or more e.coli samples that indicate impairment.

Sources: Municipal (Urbanized High Density Area)

TMDL Watershed Name: **Clinch River, North Fork**

TMDL Group ID: **01405**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-P15R_NFC01C02	North Fork Clinch River	SCOTT CO	Mainstem from the Cox Branch confluence at Fairview downstream to TN political boundary. Section 2, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	Impairment	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Fecal Coliform	5.60 MILES	01405	2002	2014	

Sources: Animal Feeding Operations (NPS)
Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Tennessee and Big Sandy River Basins

TMDL Watershed Name: **Copper Creek**

TMDL Group ID: **01404**

VAS-P14R_COP01B04	Copper Creek	SCOTT CO	From Lark Creek upstream to Obeys Creek; Section 2, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	4.10 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		01404	**2004**	**2016**	
		Sources:	Source Unknown			
Recreation	**Fecal Coliform**		01404	**2004**	**2016**	
		Sources:	Source Unknown			

TMDL Watershed Name: **Cove Creek**

TMDL Group ID: **50194**

VAS-O12R_COV01A00	Cove Creek	SCOTT CO WASHINGTON CO	From headwaters to North Fork Holston River confluence. Section 1, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	12.69 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		50194	**2006**	**2018**	
		Sources:	Source Unknown			

TMDL Watershed Name: **Cranesnest River**

TMDL Group ID: **01434**

VAS-Q14R_CNR02A02	Cranesnest River	DICKENSON CO	Mainstem lower Cranesnest River from Honeycamp Branch downstream to the Bartley Branch confluence at the backwaters of Flannagan Reservoir. Section 4, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	8.66 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		01434	**2004**	**2016**	
		Sources:	Source Unknown			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Tennessee and Big Sandy River Basins

TMDL Watershed Name: **Dark Hollow**

TMDL Group ID: **01408**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-P17R_DAR01A02	**Dark Hollow**	WISE CO	A Powell River tributary. Section 1, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	1.33 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		01408	**2004**	**2016**	

Sources: Atmospheric Deposition - Acidity

TMDL Watershed Name: **Devil Fork**

TMDL Group ID: **40015**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-P12R_DEV01A02	**Devil Fork**	SCOTT CO	Devil Fork is a tributary to Straight Fork. This tributary is located on the East Stone Gap USGS Quad Map. Section 2, Class V, designated stockable trout waters, DGIF vi.

VA Overall AU Category: **5A**

Use	Impairment	4.31 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		40015	**2006**	**2018**	

Sources: Source Unknown

TMDL Watershed Name: **Dismal Creek**

TMDL Group ID: **50223**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-Q05R_DIS01A00	**Dismal Creek**	BUCHANAN CO	Dismal River from confluence of Long Br to confluence with Levisa Fork. Section 3, Class V, designated stockable trout waters, DGIF vi.

VA Overall AU Category: **5A**

Use	Impairment	5.32 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		50223	**2006**	**2018**	

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Tennessee and Big Sandy River Basins

TMDL Watershed Name: **Dumps Creek**

TMDL Group ID: **00001**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-P08R_DUM01A94	**Dumps Creek**	RUSSELL CO	Mainstem from Hurricane Fork confluence downstream to the confluence with Clinch River at Carbo. Section 2, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	3.42 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		00001	**1994**	**2002**	Category 4A

Sources: Impacts from Abandoned Mine Lands (Inactive)
Surface Mining

TMDL Group ID: **50211**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-P08R_DUM01A94	**Dumps Creek**	RUSSELL CO	Mainstem from Hurricane Fork confluence downstream to the confluence with Clinch River at Carbo. Section 2, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	3.42 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		50211	**2006**	**2018**	

Sources: Source Unknown

TMDL Watershed Name: **Elk Garden Creek**

TMDL Group ID: **50207**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-P06R_EKG01A06	**Elk Garden Creek**	RUSSELL CO	From Elk Garden to confluence with Big Cedar Creek. Section 2, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	3.29 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		50207	**2006**	**2018**	

Sources: Agriculture

TMDL Watershed Name: **Fall Creek**

TMDL Group ID: **50213**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-P09R_FLC01A02	**Fall Creek**	SCOTT CO	Fall Ck from headwaters to Clinch River. Section 2, Class V, designated stockable trout waters, DGIF vi.

VA Overall AU Category: **5A**

Use	Impairment	2.96 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		50213	**2006**	**2018**	

Sources: Agriculture

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Tennessee and Big Sandy River Basins

TMDL Watershed Name: **Garden Creek**

TMDL Group ID: **00511**

VAS-Q04R_GAR01A98	Garden Creek	BUCHANAN CO	Garden Ck from confluence with Levisa Fork, upstream to confluence of Right Fk Garden Ck. Section 3, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	1.81 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		00511	**1998**	**2008**	

Sources: Septage Disposal

TMDL Group ID: **00512**

VAS-Q04R_GAR01A98	Garden Creek	BUCHANAN CO	Garden Ck from confluence with Levisa Fork, upstream to confluence of Right Fk Garden Ck. Section 3, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	1.81 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		00512	**1998**	**2008**	

Sources: Loss of Riparian Habitat
Streambank Modifications/destablization

TMDL Group ID: **30024**

VAS-Q04R_GAR01A98	Garden Creek	BUCHANAN CO	Garden Ck from confluence with Levisa Fork, upstream to confluence of Right Fk Garden Ck. Section 3, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	1.81 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		30024	**2006**	**2018**	

Sources: Source Unknown

TMDL Group ID: **40019**

VAS-Q04R_GAR01A98	Garden Creek	BUCHANAN CO	Garden Ck from confluence with Levisa Fork, upstream to confluence of Right Fk Garden Ck. Section 3, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	1.81 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Chloride**		40019	**2006**	**2018**	

Sources: Coal Mining (Subsurface)

Wildlife	**Chloride**		40019	**2006**	**2018**

Sources: Coal Mining (Subsurface)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Tennessee and Big Sandy River Basins

TMDL Watershed Name: **Guess Fork and Knox Creek and Tributaries**

TMDL Group ID: **30021**

VAS-Q03R_GIE01A04 — **Guess Fork** — BUCHANAN CO

Knox Creek tributary, found on Panther and Hurley quad sheets. Section 3, Class IV.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	8.43 MILES	30021	**2006**	**2018**	

Sources: Source Unknown

VAS-Q03R_KOX01A00 — **Knox Creek** — BUCHANAN CO

Mainstem from Straight Fk confluence upstream to the headwaters, found on the Panther and Patterson quad sheets. Section 3, Class IV.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	7.56 MILES	30021	**2004**	**2016**	

Sources: Source Unknown

VAS-Q03R_KOX02A98 — **Knox Creek** — BUCHANAN CO

Mainstem from KY political boundary to the Straight Fk confluence. Section 3, Class IV.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	9.36 MILES	30021	**2004**	**2016**	

Sources: Source Unknown

VAS-Q03R_PPW01A94 — **Pawpaw Creek** — BUCHANAN CO

From KY political boundary downstream to Knox Ck confluence, along SR 643. Section 3, Class IV.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	4.54 MILES	30021	**2006**	**2018**	

Sources: Source Unknown

VAS-Q03R_VDH2005 — **Unsegmented rivers in Q03, Knox Creek tributaries** — BUCHANAN CO

All tributaries to Knox Creek that were included in the December 2005 Virginia Department of Health Fish Consumption ban update. The information was based on Virginia's new Water Quality Standard for PCB in edible fish tissue. Section 3, Class IV.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	72.41 MILES	30021	**2006**	**2018**	

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Tennessee and Big Sandy River Basins

TMDL Watershed Name: **Guest River**

TMDL Group ID: **00165**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-P11R_GUE02A98	**Guest River**	WISE CO	Mainstem from Bad Br confluence downstream to Crab Orchard confluence. Section 2, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	3.03 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		00165	**1996**	**2004**	Category 4A: Benthic macroinvertebrate bioassessment Fed ID 19287. Cycle first listed should be 1998. Implementation Plan approved 6.28.2005.

Sources: Rural (Residential Areas)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-P11R_GUE03A98	**Guest River**	NORTON CITY WISE CO	Mainstem from Sepulcher Ck, mile 26.21, confluence downstream to Bad Br, 6.97. confluence. Section 2, Class IV.

VA Overall AU Category: **5D**

Use	Impairment	16.32 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		00165	**2006**	**2004**	Category 4A: Benthic macroinvertebrate bioassessment Fed ID 19287. Cycle first listed should be 1998. Implementation Plan approved 6.28.2005.

Sources: Rural (Residential Areas)

TMDL Group ID: **01401**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-P11R_GUE01A00	**Guest River**	WISE CO	Mainstem form Crab Orchard Ck confluence downstream to Clinch River confluence. Section 2, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	4.07 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		01401	**2006**	**2014**	

Sources: Rural (Residential Areas)

Recreation	**Fecal Coliform**		01401	**2002**	**2014**	

Sources: Rural (Residential Areas)

TMDL Group ID: **30016**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-P11R_GUE01A00	**Guest River**	WISE CO	Mainstem form Crab Orchard Ck confluence downstream to Clinch River confluence. Section 2, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	4.07 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		30016	**2006**	**2018**	

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Tennessee and Big Sandy River Basins

TMDL Watershed Name: **Guest River**

TMDL Group ID: **30016**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-P11R_GUE02A98	Guest River	WISE CO	Mainstem from Bad Br confluence downstream to Crab Orchard confluence. Section 2, Class IV.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	3.03 MILES	30016	**2002**	**2014**	

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-P11R_GUE03A98	Guest River	NORTON CITY WISE CO	Mainstem from Sepulcher Ck, mile 26.21, confluence downstream to Bad Br, 6.97. confluence. Section 2, Class IV.

VA Overall AU Category: **5D**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	16.32 MILES	30016	**1996**	**2018**	

Sources: Source Unknown

TMDL Group ID: **50214**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-P11R_GUE02A98	Guest River	WISE CO	Mainstem from Bad Br confluence downstream to Crab Orchard confluence. Section 2, Class IV.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	3.03 MILES	50214	**2006**	**2018**	Delisted 2004; listed 2006.

Sources: Rural (Residential Areas)

Recreation	**Fecal Coliform**		50214	**2006**	**2018**	Delisted 2004; listed 2006.

Sources: Rural (Residential Areas)

TMDL Watershed Name: **Guest River and Bear Creek**

TMDL Group ID: **30018**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-P11R_BER01A98	Bear Creek	WISE CO	Bear Creek from Yellow Ck confluence downstream to the Guest River confluence. Section 2, Class IV.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	1.83 MILES	30018	**2004**	**2018**	

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Tennessee and Big Sandy River Basins

TMDL Watershed Name: **Hardy Creek**

TMDL Group ID: **50219**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-P21R_HAR01A02	Hardy Creek	LEE CO	Hardy Ck & tributaries. Section 1, Class V, designated stockable trout waters, DGIF vi.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	12.13 MILES	50219	**2006**	**2018**	

Sources: Agriculture

TMDL Watershed Name: **Hidden Valley Lake**

TMDL Group ID: **01385**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-O11L_BRU01A02	Hidden Valley Lake	WASHINGTON CO	DGIF owned warm water fishery. Section 1, Class IV.

VA Overall AU Category: **5C**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	57.51 ACRES	01385	**2002**	**2014**	

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

TMDL Group ID: **50077**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-O11L_BRU01A02	Hidden Valley Lake	WASHINGTON CO	DGIF owned warm water fishery. Section 1, Class IV.

VA Overall AU Category: **5C**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**	57.51 ACRES	50077	**2006**	**2014**	

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

TMDL Watershed Name: **Holston River, Middle Fork**

TMDL Group ID: **00505**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-O04R_MFH01A00	Middle Fork Holston River	SMYTH CO	Mainstem Middle Fork Holston River from Hungry Mother Creek confluence downstream to Sulfur Spring Ck confluence. Section 5, Class IV.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	12.60 MILES	00505	**2002**	**2014**	The original fecal coliform impairment is no longer appropriate because there are 12 or more e.coli samples that indicate impairment.

Sources: Animal Feeding Operations (NPS)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Tennessee and Big Sandy River Basins

TMDL Watershed Name: **Holston River, Middle Fork**

TMDL Group ID: **01328**

VAS-O05R_MFH03A00 **Middle Fork Holston River** WASHINGTON CO

Mainstem Middle Fork Holston River from just downstream of Neff to Edmondson Dam. Section 5, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	4.18 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		01328	**2000**	**2014**	

Sources: Animal Feeding Operations (NPS)
Source Unknown

VAS-O05R_MFH05A04 **Middle Fork Holston River** WASHINGTON CO

Mainstem Middle Fork Holston River from Edmondson Dam upstream to Rt 91 bridge.downstream to Rt 91 bridge confluence. Section 5, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	3.65 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		01328	**2006**	**2014**	

Sources: Animal Feeding Operations (NPS)

TMDL Group ID: **50180**

VAS-O05R_MFH03A00 **Middle Fork Holston River** WASHINGTON CO

Mainstem Middle Fork Holston River from just downstream of Neff to Edmondson Dam. Section 5, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	4.18 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		50180	**2002**	**2010**	

Sources: Animal Feeding Operations (NPS)

VAS-O05R_MFH05A04 **Middle Fork Holston River** WASHINGTON CO

Mainstem Middle Fork Holston River from Edmondson Dam upstream to Rt 91 bridge.downstream to Rt 91 bridge confluence. Section 5, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	3.65 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		50180	**2002**	**2014**	

Sources: Animal Feeding Operations (NPS)
Rural (Residential Areas)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Tennessee and Big Sandy River Basins

TMDL Watershed Name: **Holston River, Middle Fork**

TMDL Group ID: **50309**

VAS-O03R_MFH04A98	**Middle Fork Holston River**	SMYTH CO	From Dutton Br confluence downstream to the at the Snavely Branch confluence. confluence. Section 5, Class V, designated stockable trout waters, DGIF vi.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	4.20 MILES	50309	**2002**	**2014**	

Sources: Animal Feeding Operations (NPS)
Rural (Residential Areas)

TMDL Group ID: **50310**

VAS-O03R_MFH01A00	**Middle Fork Holston River**	SMYTH CO	From Marion raw water intake, river mile 45.83, downstream to Hungry Mother Ck confluence. Section 5, Class V, designated stockable trout waters.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	5.44 MILES	50310	**2002**	**2014**	

Sources: Animal Feeding Operations (NPS)

VAS-O03R_MFH02A00	**Middle Fork Holston River**	SMYTH CO	From Marion raw water intake,45.83, upstream to the Snavely Creek confluence. Section 5c, Class V, designated stockable trout waters, PWS, DGIF vi.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	5.17 MILES	50310	**2002**	**2014**	

Sources: Source Unknown

TMDL Group ID: **50311**

VAS-O05R_MFH04A00	**Middle Fork Holston River**	SMYTH CO WASHINGTON CO	Mainstem Middle Fork Holston River from Sulphur Springs Ck downstream to Rt 91 bridge confluence. Section 5, Class IV.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	9.18 MILES	50311	**2002**	**2014**	

Sources: Animal Feeding Operations (NPS)
Rural (Residential Areas)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Tennessee and Big Sandy River Basins

TMDL Watershed Name: **Holston River, North Fork**

TMDL Group ID: **00509**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-O10R_NFH01A94	**North Fork Holston River**	SMYTH CO	From river mile 85.40 at Saltville to Robertson Branch confluence. Section 1, Class IV.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**Mercury in Fish Tissue**	1.84 MILES	00509	**1994**	**2010**	

Sources: Industrial Point Source Discharge

TMDL Group ID: **30009**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-O07R_LTL01A96	**Little Creek**	BRISTOL CITY WASHINGTON CO	Headwaters downstream to the TN political boundary in the City of Bristol Section 4, Class IV.

VA Overall AU Category: **5D**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	2.13 MILES	30009	**2006**	**2018**	

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-O10R_NFH01A94	**North Fork Holston River**	SMYTH CO	From river mile 85.40 at Saltville to Robertson Branch confluence. Section 1, Class IV.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	1.84 MILES	30009	**2006**	**2018**	

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-O11R_NFH01A00	**North Fork Holston River**	WASHINGTON CO	Segment from Brumley Ck confluence downstream to Cabin Ck confluence. Section 1a, Class IV.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	1.90 MILES	30009	**2006**	**2018**	

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-O11R_NFH02A94	**North Fork Holston River**	WASHINGTON CO	From Tumbling Ck confluence downstream to Brumley Ck confluence. Section 1a, Class IV.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	14.79 MILES	30009	**2006**	**2018**	

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Tennessee and Big Sandy River Basins

TMDL Watershed Name: **Holston River, North Fork**

TMDL Group ID: **30009**

VAS-O11R_NFH03A94	**North Fork Holston River**			SMYTH CO WASHINGTON CO			From confluence of Robertson downstream to confluence of Tumbling Creek. Section 1a, Class IV.
VA Overall AU Category: **5A**							
Use	Impairment	4.83 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule		Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		30009	**2006**	**2018**		
		Sources:	Source Unknown				
VAS-O12R_NFH01B02	**North Fork Holston River**			SCOTT CO			Mainstem from Livingston Creek confluence downstream to Cove Creek confluence. Section 1a,Class IV.
VA Overall AU Category: **5A**							
Use	Impairment	4.25 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule		Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		30009	**2006**	**2018**		
		Sources:	Source Unknown				
VAS-O12R_NFH01C02	**North Fork Holston River**			SCOTT CO WASHINGTON CO			Mainstem from Abrams Creek confluence to Livingston Creek confluence. Section 1a,Class IV.
VA Overall AU Category: **5A**							
Use	Impairment	8.15 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule		Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		30009	**2006**	**2018**		
		Sources:	Source Unknown				
VAS-O12R_NFH02A00	**North Fork Holston River**			WASHINGTON CO			Mainstem from Cabin Ck confluence to Little Moccasin Ck confluence. Section 1a, Class IV.
VA Overall AU Category: **5A**							
Use	Impairment	2.82 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule		Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		30009	**2006**	**2018**		
		Sources:	Source Unknown				
VAS-O12R_NFH02C04	**North Fork Holston River**			WASHINGTON CO			Mainstem from Smith Creek downstream to Abrams Creek. Section 1a, Class IV.
VA Overall AU Category: **5A**							
Use	Impairment	10.76 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule		Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		30009	**2006**	**2018**		
		Sources:	Source Unknown				

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Tennessee and Big Sandy River Basins

TMDL Watershed Name: **Holston River, North Fork**

TMDL Group ID: **30009**

VAS-O12R_NFH03C04 **North Fork Holston River** WASHINGTON CO Mainstem from Smith Creek confluence up to the Little Moccasin Creek confluence. Section 1a, Class IV.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	8.39 MILES	30009	**2006**	**2018**	

Sources: Source Unknown

VAS-O13R_NFH01A94 **North Fork Holston River** SCOTT CO Mainstem from confluence of Big Moccasin Ck downstream to TN line. Section 1a, Class IV.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	5.31 MILES	30009	**2006**	**2018**	

Sources: Source Unknown

VAS-O13R_NFH02A94 **North Fork Holston River** SCOTT CO Mainstem from the confluence of Cove Ck downstream to confluence of Big Moccasin Ck. Section 1a,Class IV.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	18.73 MILES	30009	**2006**	**2018**	

Sources: Source Unknown

TMDL Group ID: **30035**

VAS-O11R_NFH01A00 **North Fork Holston River** WASHINGTON CO Segment from Brumley Ck confluence downstream to Cabin Ck confluence. Section 1a, Class IV.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**Mercury in Fish Tissue**	1.90 MILES	30035	**1994**	**2010**	

Sources: Industrial Point Source Discharge

VAS-O11R_NFH02A94 **North Fork Holston River** WASHINGTON CO From Tumbling Ck confluence downstream to Brumley Ck confluence. Section 1a, Class IV.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**Mercury in Fish Tissue**	14.79 MILES	30035	**1994**	**2010**	

Sources: Industrial Point Source Discharge

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Tennessee and Big Sandy River Basins

TMDL Watershed Name: **Holston River, North Fork**

TMDL Group ID: **30035**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-O11R_NFH03A94	**North Fork Holston River**	SMYTH CO WASHINGTON CO	From confluence of Robertson downstream to confluence of Tumbling Creek. Section 1a, Class IV.

VA Overall AU Category:	5A						
Use	Impairment	4.83 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category	
Fish Consumption	**Mercury in Fish Tissue**		30035	**1994**	**2010**		
		Sources:	Industrial Point Source Discharge				

TMDL Group ID: **30038**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-O12R_NFH01B02	**North Fork Holston River**	SCOTT CO	Mainstem from Livingston Creek confluence downstream to Cove Creek confluence. Section 1a,Class IV.

VA Overall AU Category:	5A						
Use	Impairment	4.25 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category	
Fish Consumption	**Mercury in Fish Tissue**		30038	**1994**	**2010**		
		Sources:	Industrial Point Source Discharge				

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-O12R_NFH01C02	**North Fork Holston River**	SCOTT CO WASHINGTON CO	Mainstem from Abrams Creek confluence to Livingston Creek confluence. Section 1a,Class IV.

VA Overall AU Category:	5A						
Use	Impairment	8.15 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category	
Fish Consumption	**Mercury in Fish Tissue**		30038	**1994**	**2010**		
		Sources:	Industrial Point Source Discharge				

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-O12R_NFH02A00	**North Fork Holston River**	WASHINGTON CO	Mainstem from Cabin Ck confluence to Little Moccasin Ck confluence. Section 1a, Class IV.

VA Overall AU Category:	5A						
Use	Impairment	2.82 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category	
Fish Consumption	**Mercury in Fish Tissue**		30038	**1994**	**2010**		
		Sources:	Industrial Point Source Discharge				

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-O12R_NFH02C04	**North Fork Holston River**	WASHINGTON CO	Mainstem from Smith Creek downstream to Abrams Creek. Section 1a, Class IV.

VA Overall AU Category:	5A						
Use	Impairment	10.76 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category	
Fish Consumption	**Mercury in Fish Tissue**		30038	**1994**	**2010**		
		Sources:	Industrial Point Source Discharge				

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Tennessee and Big Sandy River Basins

TMDL Watershed Name: **Holston River, North Fork**

TMDL Group ID: **30038**

VAS-O12R_NFH03C04	North Fork Holston River	WASHINGTON CO	Mainstem from Smith Creek confluence up to the Little Moccasin Creek confluence. Section 1a, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	8.39 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**Mercury in Fish Tissue**		30038	**1994**	**2010**	

Sources: Industrial Point Source Discharge

TMDL Group ID: **30039**

VAS-O13R_NFH01A94	North Fork Holston River	SCOTT CO	Mainstem from confluence of Big Moccasin Ck downstream to TN line. Section 1a, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	5.31 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**Mercury in Fish Tissue**		30039	**1994**	**2010**	

Sources: Industrial Point Source Discharge

TMDL Group ID: **30040**

VAS-O13R_NFH02A94	North Fork Holston River	SCOTT CO	Mainstem from the confluence of Cove Ck downstream to confluence of Big Moccasin Ck. Section 1a,Class IV.

VA Overall AU Category: **5A**

Use	Impairment	18.73 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**Mercury in Fish Tissue**		30040	**1994**	**2010**	

Sources: Industrial Point Source Discharge

TMDL Group ID: **50187**

VAS-O09R_NFH01C02	North Fork Holston River	BLAND CO	Mainstem from headwaters downstream to Lick Branch confluence. Section 1, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	11.06 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		50187	**2006**	**2018**	

Sources: Grazing in Riparian or Shoreline Zones

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Tennessee and Big Sandy River Basins

TMDL Watershed Name: **Holston River, North Fork**

TMDL Group ID: **50190**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-O10R_NFH01A94	**North Fork Holston River**	SMYTH CO	From river mile 85.40 at Saltville to Robertson Branch confluence. Section 1, Class IV.

VA Overall AU Category:	5A						
Use	Impairment	1.84 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category	
Recreation	**Fecal Coliform**		50190	**2006**	**2018**		

Sources: Animal Feeding Operations (NPS)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-O10R_NFH02A00	**North Fork Holston River**	SMYTH CO	From Laurel Ck confluence downstream to 85.4, fish consumption ban segment. Section 1, Class IV.

VA Overall AU Category:	5A						
Use	Impairment	8.45 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category	
Recreation	**Escherichia coli**		50190	**2006**	**2018**		

Sources: Animal Feeding Operations (NPS)

TMDL Group ID: **50191**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-O11R_NFH03A94	**North Fork Holston River**	SMYTH CO WASHINGTON CO	From confluence of Robertson downstream to confluence of Tumbling Creek. Section 1a, Class IV.

VA Overall AU Category:	5A						
Use	Impairment	4.83 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category	
Recreation	**Escherichia coli**		50191	**2006**	**2018**		

Sources: Source Unknown

TMDL Group ID: **95000**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-O11R_NFH03A94	**North Fork Holston River**	SMYTH CO WASHINGTON CO	From confluence of Robertson downstream to confluence of Tumbling Creek. Section 1a, Class IV.

VA Overall AU Category:	5A						
Use	Impairment	4.83 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category	
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		95000	**2006**	**2010**	Aquatic Life Use for chlorides completed and submitted to EPA.	

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Tennessee and Big Sandy River Basins

TMDL Watershed Name: **Holston River, South Fork**

TMDL Group ID: **00897**

VAS-O01R_SFH01A00	South Fork Holston River	SMYTH CO WASHINGTON CO	Mainstem South Fork Holston River from Rowland Creek confluence downstream to Grosses Creek confluence. Section 6, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	8.37 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		00897	**2002**	**2014**	

Sources: Source Unknown

TMDL Group ID: **00898**

VAS-O01R_SFH03A00	South Fork Holston River	SMYTH CO	Mainstem South Fork Holston River from headwaters downstream to Barton Creek confluence. Section 6, Class VI, designated natural trout waters, DGIF ii.

VA Overall AU Category: **5A**

Use	Impairment	9.41 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		00898	**2004**	**2016**	

Sources: Source Unknown

TMDL Group ID: **50172**

VAS-O01R_SFH01A00	South Fork Holston River	SMYTH CO WASHINGTON CO	Mainstem South Fork Holston River from Rowland Creek confluence downstream to Grosses Creek confluence. Section 6, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	8.37 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		50172	**2002**	**2014**	The original fecal coliform impairment is no longer appropriate because there are 12 or more e.coli samples that indicate impairment.

Sources: Source Unknown

VAS-O02R_SFH01B02	South Fork Holston River	WASHINGTON CO	South Fork Holston River from Grosses Creek confluence downstream to Rush Creek confluence. Section 6, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	6.13 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		50172	**2006**	**2018**	

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Tennessee and Big Sandy River Basins

TMDL Watershed Name: **Holston River, South Fork**

TMDL Group ID: **50173**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-O02R_SFH02A00	**South Fork Holston River**	WASHINGTON CO	Lower South Fork Holston River from South Holston Lake backwaters, river mile 73.00, upstream to the Rush Ck confluence. Section 6, Class IV.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	12.99 MILES	50173	**2004**	**2016**	The original fecal coliform impairment is no longer appropriate because there are 12 or more e.coli samples that indicate impairment.

Sources: Source Unknown

TMDL Watershed Name: **Hungry Mother Creek**

TMDL Group ID: **50177**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-O04R_HUN02A02	**Hungry Mother Creek**	SMYTH CO	Hungry Mother Creek downstream from reservoir to Middle Fork Holston River. Section 5, Class IV.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	4.47 MILES	50177	**2006**	**2018**	

Sources: Rural (Residential Areas)

TMDL Watershed Name: **Hungry Mother Lake**

TMDL Group ID: **00901**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-O04L_HUN01A02	**Hungry Mother Lake**	SMYTH CO	Man made reservoir in Hungry Mother State Park in Smyth County. Section 5b, Class IV.

VA Overall AU Category: **5C**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**	99.71 ACRES	00901	**2002**	**2014**	

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

TMDL Watershed Name: **Indian Creek**

TMDL Group ID: **01387**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-P05R_IDN01A04	**Indian Creek**	RUSSELL CO TAZEWELL CO	Hwy 19 bridge to Little River confluence at Wardell. Section 2, Class IV.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	3.98 MILES	01387	**2004**	**2016**	

Sources: Rural (Residential Areas)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Tennessee and Big Sandy River Basins

TMDL Watershed Name: **Indian Creek**

TMDL Group ID: **01390**

VAS-P02R_IDI01A00	Indian Creek	TAZEWELL CO	Mainstem from Jackson Fork to Clinch River confluence. Endangered species immediately downstream. Section 2, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	8.86 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		01390	**2004**	**2016**	

Sources: Source Unknown

TMDL Group ID: **01392**

VAS-P02R_IDI01A00	Indian Creek	TAZEWELL CO	Mainstem from Jackson Fork to Clinch River confluence. Endangered species immediately downstream. Section 2, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	8.86 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		01392	**2004**	**2016**	

Sources: Source Unknown

TMDL Watershed Name: **John Flannagan Reservoir**

TMDL Group ID: **01428**

VAS-Q13L_PNR01A02	John Flannagan Reservoir	DICKENSON CO	NE of Clintwood near KY state line. Section 4a, Class IV, PWS

VA Overall AU Category: **5C**

Use	Impairment	1177.22 ACRES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01428	**2002**	**2014**	

Sources: Changes in Ordinary Stratification and Bottom Water Hypoxia/Anoxia
Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

TMDL Group ID: **50079**

VAS-Q13L_PNR01A02	John Flannagan Reservoir	DICKENSON CO	NE of Clintwood near KY state line. Section 4a, Class IV, PWS

VA Overall AU Category: **5C**

Use	Impairment	1177.22 ACRES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		50079	**2006**	**2018**	

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Tennessee and Big Sandy River Basins

TMDL Watershed Name: **Knox Creek**

TMDL Group ID: **00269**

VAS-Q03R_KOX01A00 **Knox Creek** BUCHANAN CO

Mainstem from Straight Fk confluence upstream to the headwaters, found on the Panther and Patterson quad sheets. Section 3, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	7.56 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		00269	**1996**	**2006**	

Sources: Surface Mining

VAS-Q03R_KOX02A98 **Knox Creek** BUCHANAN CO

Mainstem from KY political boundary to the Straight Fk confluence. Section 3, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	9.36 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		00269	**1996**	**2006**	

Sources: Surface Mining

TMDL Watershed Name: **Knox Creek and Guess Fork**

TMDL Group ID: **00268**

VAS-Q03R_KOX01A00 **Knox Creek** BUCHANAN CO

Mainstem from Straight Fk confluence upstream to the headwaters, found on the Panther and Patterson quad sheets. Section 3, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	7.56 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00268	**2006**	**2006**	

Sources: Septage Disposal

Recreation	**Fecal Coliform**		00268	**2002**	**2006**	

Sources: Septage Disposal

VAS-Q03R_KOX02A98 **Knox Creek** BUCHANAN CO

Mainstem from KY political boundary to the Straight Fk confluence. Section 3, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	9.36 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00268	**2002**	**2006**	The original fecal coliform impairment is no longer appropriate because there are 12 or more e.coli samples that indicate impairment.

Sources: Septage Disposal

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Tennessee and Big Sandy River Basins

TMDL Watershed Name: **Knox Creek and Guess Fork**

TMDL Group ID: **50312**

VAS-Q03R_GIE01A04	Guess Fork	BUCHANAN CO	Knox Creek tributary, found on Panther and Hurley quad sheets. Section 3, Class IV.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	8.43	MILES	50312	**2004**	**2016**	

Sources: Rural (Residential Areas)

TMDL Watershed Name: **Lake Keokee**

TMDL Group ID: **01418**

VAS-P20L_PWL01L02	Lake Keokee	LEE CO	South of Exeter on Stone Mtn. Section 1, Class IV.

VA Overall AU Category: **5C**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**	97.48	ACRES	01418	**2002**	**2014**	

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

TMDL Group ID: **01419**

VAS-P20L_PWL01L02	Lake Keokee	LEE CO	South of Exeter on Stone Mtn. Section 1, Class IV.

VA Overall AU Category: **5C**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	97.48	ACRES	01419	**2002**	**2014**	

Sources: Changes in Ordinary Stratification and Bottom Water Hypoxia/Anoxia
Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

TMDL Watershed Name: **Laurel Bed Lake**

TMDL Group ID: **50027**

VAS-O11L_LAU01A02	Laurel Bed Lake	RUSSELL CO	This lake is owned by DGIF and lies within Clinch Mountain Wildlife Management Area. Mountain slope, 20 to 30 degrees, maximum depth 10.7 M, public access, boat ramp, camping, picnicing. Section 1, Class IV.

VA Overall AU Category: **5C**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	312.38	ACRES	50027	**2006**	**2018**	

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Tennessee and Big Sandy River Basins

TMDL Watershed Name: **Laurel Bed Lake**

TMDL Group ID: **50078**

VAS-O11L_LAU01A02	**Laurel Bed Lake**	RUSSELL CO	This lake is owned by DGIF and lies within Clinch Mountain Wildlife Management Area. Mountain slope, 20 to 30 degrees, maximum depth 10.7 M, public access, boat ramp, camping, picnicing. Section 1, Class IV.

VA Overall AU Category: **5C**

Use	Impairment	312.38 ACRES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		50078	**2006**	**2018**	

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

TMDL Watershed Name: **Laurel Creek**

TMDL Group ID: **01382**

VAS-O10R_LAE01A02	**Laurel Creek, upper**	BLAND CO TAZEWELL CO	Headwaters within Jefferson National Forest upstream of the Roaring Fork confluence. Section 1, Class V, designated stockable trout waters, DGIF vi.

VA Overall AU Category: **5A**

Use	Impairment	2.56 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		01382	**2002**	**2014**	

Sources: Source Unknown

TMDL Group ID: **01383**

VAS-O10R_LAE01A02	**Laurel Creek, upper**	BLAND CO TAZEWELL CO	Headwaters within Jefferson National Forest upstream of the Roaring Fork confluence. Section 1, Class V, designated stockable trout waters, DGIF vi.

VA Overall AU Category: **5A**

Use	Impairment	2.56 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		01383	**2004**	**2014**	

Sources: Source Unknown

TMDL Group ID: **01384**

VAS-O10R_LAE02A02	**Laurel Creek, middle**	SMYTH CO TAZEWELL CO	Little Tumbling Creek confluence at Tannersville downstream to confluence with North Fork Holston River. Section 1, Class V, designated stockable trout waters, DGIF ***.

VA Overall AU Category: **5A**

Use	Impairment	6.39 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		01384	**2004**	**2016**	

Sources: Grazing in Riparian or Shoreline Zones
Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Tennessee and Big Sandy River Basins

TMDL Watershed Name: **Laurel Creek**

TMDL Group ID: **50175**

VAS-O02R_LAL01A04	Laurel Creek	WASHINGTON CO	From Beaverdam Creek confluence upstream to state line. Section 6, Class VI, designated natural trout waters.

VA Overall AU Category: **5A**

Use	Impairment	6.14 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		50175	**2006**	**2018**	
		Sources:	Source Unknown			
Recreation	**Fecal Coliform**		50175	**2006**	**2018**	
		Sources:	Source Unknown			

TMDL Group ID: **50188**

VAS-O10R_LAE02A02	Laurel Creek, middle	SMYTH CO TAZEWELL CO	Little Tumbling Creek confluence at Tannersville downstream to confluence with North Fork Holston River. Section 1, Class V, designated stockable trout waters, DGIF ***.

VA Overall AU Category: **5A**

Use	Impairment	6.39 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		50188	**2006**	**2018**	
		Sources:	Grazing in Riparian or Shoreline Zones			

VAS-O10R_LAE02B02	Laurel Creek, lower	TAZEWELL CO	From Rt. 16 bridge to Little Tumbling Creek confluence at Tannersville. Section 1, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	7.48 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		50188	**2006**	**2018**	
		Sources:	Grazing in Riparian or Shoreline Zones			

VAS-O10R_LAE02C04	Laurel Creek	SMYTH CO TAZEWELL CO	From Roaring Branch downstream to Rt 16 bridge. Section 1, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	3.62 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		50188	**2006**	**2018**	
		Sources:	Animal Feeding Operations (NPS)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Tennessee and Big Sandy River Basins

TMDL Watershed Name: **Laurel Springs Creek**

TMDL Group ID: **50178**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-O04R_LRL01A04	**Laurel Springs Creek**	SMYTH CO	Flows north from Adwolf to Middle Fork Holston. Section 5, Class V, designated stockable trout waters.

VA Overall AU Category: **5A**

Use	Impairment	2.05 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		50178	**2006**	**2018**	

Sources: Animal Feeding Operations (NPS)

TMDL Watershed Name: **Levisa Fork**

TMDL Group ID: **00513**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-Q04R_LEV01A94	**Levisa Fork**	BUCHANAN CO	Mainstem from the confluence of Garden Ck, river mile 155.94, to the confluence of Dismal Creek, river mile 151.84. Section 3, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	3.95 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		00513	**1994**	**2010**	

Sources: Loss of Riparian Habitat
Streambank Modifications/destablization
Surface Mining

TMDL Group ID: **00516**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-Q08R_LEV01A00	**Levisa Fork**	BUCHANAN CO	From Rocklick Branch downstream to the KY state line. VPDES permit for Buchanan County PSA/Conaway WWTP is in this segment. Section 3, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	2.66 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		00516	**2002**	**2010**	

Sources: Loss of Riparian Habitat
Surface Mining

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Tennessee and Big Sandy River Basins

TMDL Watershed Name: **Levisa Fork**

TMDL Group ID: **01421**

VAS-Q04R_LEV01A94 **Levisa Fork** BUCHANAN CO

Mainstem from the confluence of Garden Ck, river mile 155.94, to the confluence of Dismal Creek, river mile 151.84. Section 3, Class IV.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	3.95 MILES	01421	**2004**	**2016**	

Sources: Rural (Residential Areas)

VAS-Q04R_LEV01B02 **Levisa Fork** BUCHANAN CO

Levisa Fork headwaters downstream of Contrary Creek confluence to Garden Creek confluence. Section 3, Class IV.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	3.80 MILES	01421	**2004**	**2016**	

Sources: Rural (Residential Areas)

TMDL Group ID: **01422**

VAS-Q06R_LEV01A98 **Levisa Fork** BUCHANAN CO

Mainstem from Dismal Ck confluence, river mile 151.84, downstream to Slate Creek confluence, river mile 143.71.
Section 3, Class IV.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	8.10 MILES	01422	**2004**	**2016**	

Sources: Rural (Residential Areas)

TMDL Group ID: **01423**

VAS-Q06R_LEV01A98 **Levisa Fork** BUCHANAN CO

Mainstem from Dismal Ck confluence, river mile 151.84, downstream to Slate Creek confluence, river mile 143.71.
Section 3, Class IV.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**	8.10 MILES	01423	**2002**	**2014**	

Sources: Source Unknown
Streambank Modifications/destablization
Surface Mining

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Tennessee and Big Sandy River Basins

TMDL Watershed Name: **Levisa Fork**

TMDL Group ID: **30023**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-Q04R_LEV01A94	Levisa Fork	BUCHANAN CO	Mainstem from the confluence of Garden Ck, river mile 155.94, to the confluence of Dismal Creek, river mile 151.84. Section 3, Class IV.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	PCB in Fish Tissue	3.95 MILES	30023	2002	2010	

Sources: Source Unknown

TMDL Group ID: **30025**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-Q04R_LEV01B02	Levisa Fork	BUCHANAN CO	Levisa Fork headwaters downstream of Contrary Creek confluence to Garden Creek confluence. Section 3, Class IV.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	PCB in Fish Tissue	3.80 MILES	30025	2006	2018	

Sources: Source Unknown

TMDL Group ID: **30026**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-Q06R_LEV01A98	Levisa Fork	BUCHANAN CO	Mainstem from Dismal Ck confluence, river mile 151.84, downstream to Slate Creek confluence, river mile 143.71. Section 3, Class IV.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	PCB in Fish Tissue	8.10 MILES	30026	2002	2014	

Sources: Source Unknown

TMDL Group ID: **30027**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-Q08R_LEV01A00	Levisa Fork	BUCHANAN CO	From Rocklick Branch downstream to the KY state line. VPDES permit for Buchanan County PSA/Conaway WWTP is in this segment. Section 3, Class IV.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	PCB in Fish Tissue	2.66 MILES	30027	2002	2014	

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Tennessee and Big Sandy River Basins

TMDL Watershed Name: **Levisa Fork**

TMDL Group ID: **30028**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-Q08R_LEV02A00	**Levisa Fork**	BUCHANAN CO	From Rocklick Branch upstream to Bull Creek confluence. Section 3, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	4.69 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		30028	**2006**	**2014**	

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-Q08R_LEV03A02	**Levisa Fork**	BUCHANAN CO	From Slate Creek confluence downstream to Bull Creek confluence; Section 3, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	6.19 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		30028	**2006**	**2014**	

Sources: Source Unknown

TMDL Group ID: **40018**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-Q04R_LEV01A94	**Levisa Fork**	BUCHANAN CO	Mainstem from the confluence of Garden Ck, river mile 155.94, to the confluence of Dismal Creek, river mile 151.84. Section 3, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	3.95 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Chloride**		40018	**2006**	**2018**	

Sources: Coal Mining (Subsurface)

Wildlife	**Chloride**		40018	**2006**	**2018**	

Sources: Coal Mining (Subsurface)

TMDL Group ID: **40109**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-Q08R_LEV03A02	**Levisa Fork**	BUCHANAN CO	From Slate Creek confluence downstream to Bull Creek confluence; Section 3, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	6.19 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		40109	**2006**	**2018**	

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Tennessee and Big Sandy River Basins

TMDL Watershed Name: **Levisa Fork**

TMDL Group ID: **50225**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-Q08R_LEV01A00	**Levisa Fork**	BUCHANAN CO	From Rocklick Branch downstream to the KY state line. VPDES permit for Buchanan County PSA/Conaway WWTP is in this segment. Section 3, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	2.66 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		50225	**2004**	**2016**	The original fecal coliform impairment is no longer appropriate because there are 12 or more e.coli samples that indicate impairment.

Sources: Rural (Residential Areas)
Septage Disposal

TMDL Watershed Name: **Lewis Creek**

TMDL Group ID: **00147**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-P04R_LWS01A98	**Lewis Creek**	RUSSELL CO	Mainstem from the Stone Branch confluence downstream to the Clinch River confluence. Section 2, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	4.83 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		00147	**1998**	**2004**	TMDL approved 5.28.2005.

Sources: Rural (Residential Areas)

TMDL Group ID: **50200**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-P04R_LWS01A98	**Lewis Creek**	RUSSELL CO	Mainstem from the Stone Branch confluence downstream to the Clinch River confluence. Section 2, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	4.83 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		50200	**2006**	**2018**	

Sources: Rural (Residential Areas)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Tennessee and Big Sandy River Basins

TMDL Watershed Name: **Liberty Creek**

TMDL Group ID: **50201**

VAS-P05R_LIB02A04	Liberty Creek	TAZEWELL CO	At Liberty from spring downstream of Rt 608 bridge upstream to unnamed tributary confluence. Section 2, Class V, designated stockable trout waters.

VA Overall AU Category: **5A**

Use	Impairment	2.00 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		50201	**2004**	**2016**	
		Sources:	Grazing in Riparian or Shoreline Zones			

TMDL Watershed Name: **Lick Creek**

TMDL Group ID: **50186**

VAS-O09R_LIB01A02	Lick Creek	SMYTH CO	From the Lynn Camp confluence, river mile 4.31, downstream to the North Fork Holston confluence. Section 1, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	5.63 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		50186	**2006**	**2014**	
		Sources:	Animal Feeding Operations (NPS)			

TMDL Watershed Name: **Lick Creek, Laurel Branch, Cigarette Hollow**

TMDL Group ID: **00387**

VAS-P10R_LCC01A98	Lick Creek	RUSSELL CO WISE CO	Mainstem from unnamed tributary confluence at 6BLCC004.83 to Clinch River confluence. Section 2, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	4.82 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00387	**2006**	**2008**	
		Sources:	Rural (Residential Areas)			
Recreation	**Fecal Coliform**		00387	**1998**	**2008**	
		Sources:	Rural (Residential Areas) Septage Disposal			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Tennessee and Big Sandy River Basins

TMDL Watershed Name: **Lick Creek, Laurel Branch, Cigarette Hollow**

TMDL Group ID: **00387**

VAS-P10R_LCC02A02 **Lick Creek** RUSSELL CO Mainstem from headwaters to unnamed tributary confluence at 6BLCC004.85. Section 2, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	4.64 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00387	**2006**	**2008**	
		Sources:	Rural (Residential Areas) Septage Disposal			
Recreation	**Fecal Coliform**		00387	**1998**	**2008**	
		Sources:	Rural (Residential Areas) Septage Disposal			

VAS-P10R_LCR01A98 **Right Fork Lick Creek** RUSSELL CO Headwaters downstream to Lick Ck confluence. Section 2, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	2.92 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		00387	**1998**	**2008**	
		Sources:	Rural (Residential Areas)			

VAS-P10R_LEL01A98 **Laurel Branch** DICKENSON CO
RUSSELL CO Headwaters to Lick Ck confluence. Section 2, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	4.96 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		00387	**1998**	**2008**	
		Sources:	Rural (Residential Areas)			

VAS-P10R_XBM01A98 **Cigarette Hollow** RUSSELL CO Headwaters to Right Fork confluence. Section 2, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	1.08 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		00387	**1998**	**2008**	
		Sources:	Rural (Residential Areas)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Tennessee and Big Sandy River Basins

TMDL Watershed Name: **Lick Creek, Laurel Branch, Cigarette Hollow**

TMDL Group ID: **00388**

VAS-P10R_LCC01A98 **Lick Creek** RUSSELL CO, WISE CO — Mainstem from unnamed tributary confluence at 6BLCC004.83 to Clinch River confluence. Section 2, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	4.82 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		00388	**2002**	**2008**	

Sources: Municipal (Urbanized High Density Area)

VAS-P10R_LCC02A02 **Lick Creek** RUSSELL CO — Mainstem from headwaters to unnamed tributary confluence at 6BLCC004.85. Section 2, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	4.64 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		00388	**1998**	**2008**	

Sources: Rural (Residential Areas)

VAS-P10R_LCR01A98 **Right Fork Lick Creek** RUSSELL CO — Headwaters downstream to Lick Ck confluence. Section 2, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	2.92 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		00388	**1998**	**2008**	

Sources: Rural (Residential Areas)

VAS-P10R_LEL01A98 **Laurel Branch** DICKENSON CO, RUSSELL CO — Headwaters to Lick Ck confluence. Section 2, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	4.96 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		00388	**1998**	**2008**	

Sources: Rural (Residential Areas)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Tennessee and Big Sandy River Basins

TMDL Watershed Name: **Lick Creek, Laurel Branch, Cigarette Hollow**

TMDL Group ID: **00388**

VAS-P10R_XBM01A98	**Cigarette Hollow**	RUSSELL CO	Headwaters to Right Fork confluence. Section 2, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	1.08 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		00388	**1998**	**2008**	

Sources: Rural (Residential Areas)

TMDL Watershed Name: **Lick Creek, Lower**

TMDL Group ID: **01381**

VAS-O09R_LIB01A02	**Lick Creek**	SMYTH CO	From the Lynn Camp confluence, river mile 4.31, downstream to the North Fork Holston confluence. Section 1, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	5.63 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		01381	**2002**	**2014**	

Sources: Source Unknown

TMDL Watershed Name: **Little Creek**

TMDL Group ID: **00140**

VAS-O07R_LTL01A96	**Little Creek**	BRISTOL CITY WASHINGTON CO	Headwaters downstream to the TN political boundary in the City of Bristol Section 4, Class IV.

VA Overall AU Category: **5D**

Use	Impairment	2.13 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00140	**2006**	**2002**	Category 4A: e.coli and fecal Fed ID 19821 and 9479, respectively.

Sources: Rural (Residential Areas)
Wastes from Pets

Recreation	**Fecal Coliform**		00140	**2004**	**2002**	Category 4A: e.coli and fecal Fed ID 19821 and 9479, respectively.

Sources: Rural (Residential Areas)
Wastes from Pets

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Tennessee and Big Sandy River Basins

TMDL Watershed Name: **Little Moccasin Creek**

TMDL Group ID: **50195**

VAS-O12R_LMC01A02	Little Moccasin Creek	WASHINGTON CO	Mainstem to North Fork Holston confluence. Section 1, Class IV.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	4.85 MILES	50195	**2006**	**2018**	

Sources: Source Unknown

TMDL Watershed Name: **Little River**

TMDL Group ID: **01388**

VAS-P05R_LTR02A00	Little River	TAZEWELL CO	Little River above Claypool Hill STP downstream to Laurel Creek confluence. Section 2g, Class IV, PWS.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	5.19 MILES	01388	**2004**	**2016**	

Sources: Animal Feeding Operations (NPS)

TMDL Group ID: **50202**

VAS-P05R_LTR01A00	Little River	RUSSELL CO	From the Grays Branch confluence downstream to the confluence with Clinch River. Section 2, Class IV.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	13.91 MILES	50202	**2004**	**2016**	

Sources: Agriculture

TMDL Watershed Name: **Locust Cove Creek**

TMDL Group ID: **50189**

VAS-O10R_LOC01A02	Locust Cove Creek	SMYTH CO	A North Fork Holston tributary. Section 1, Class IV.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	8.16 MILES	50189	**2006**	**2018**	

Sources: Grazing in Riparian or Shoreline Zones

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Tennessee and Big Sandy River Basins

TMDL Watershed Name: **Logan Creek**

TMDL Group ID: **50192**

VAS-O11R_LOG01A02	Logan Creek	WASHINGTON CO	Headwaters to NFH confluence. Section 1, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	5.43 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		50192	**2006**	**2018**	

Sources: Source Unknown

TMDL Watershed Name: **Loop Creek**

TMDL Group ID: **50205**

VAS-P06R_LOO01A06	Loop Creek	RUSSELL CO	From Rt 80 to Elk Garden Creek confluence. Section 2, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	2.88 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		50205	**2006**	**2018**	

Sources: Agriculture

TMDL Watershed Name: **Machine Creek**

TMDL Group ID: **01402**

VAS-P11R_MAH01A00	Machine Creek	WISE CO	Mainstem to the Guest River confluence. Section 2, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	2.17 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		01402	**2004**	**2016**	

Sources: Atmospheric Deposition - Acidity

TMDL Watershed Name: **Maiden Spring Creek**

TMDL Group ID: **01389**

VAS-P05R_MSC01A02	Maiden Spring Creek	TAZEWELL CO	From the Little River confluence upstream to foot of Morris Knob north of Robbins Gap. Section 2, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	8.14 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		01389	**2004**	**2016**	

Sources: Animal Feeding Operations (NPS)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Tennessee and Big Sandy River Basins

TMDL Watershed Name: **Maiden Spring Creek**

TMDL Group ID: **01389**

VAS-P05R_MSC01C04	Maiden Spring Creek	TAZEWELL CO	This is the middle segment of Maiden Spring Creek from unnamed tributary with Buchanan Cremtary downstream ot Morris Knob. Section 2, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	8.58 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		01389	**2004**	**2016**	

Sources: Animal Feeding Operations (NPS)

TMDL Watershed Name: **Mainstem North Fork Holston River**

TMDL Group ID: **00683**

VAS-O13R_NFH01A94	North Fork Holston River	SCOTT CO	Mainstem from confluence of Big Moccasin Ck downstream to TN line. Section 1a, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	5.31 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00683	**2004**	**2018**	The original fecal coliform impairment is no longer appropriate because there are 12 or more e.coli samples that indicate impairment.

Sources: Rural (Residential Areas)

TMDL Group ID: **00684**

VAS-O13R_NFH01A94	North Fork Holston River	SCOTT CO	Mainstem from confluence of Big Moccasin Ck downstream to TN line. Section 1a, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	5.31 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		00684	**2002**	**2014**	

Sources: Rural (Residential Areas)
Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Tennessee and Big Sandy River Basins

TMDL Watershed Name: **McClure River**

TMDL Group ID: **01426**

VAS-Q11R_MCR02A00	**McClure River**	DICKENSON CO	From Caney Ck confluence, downstream to Road Br confluence, 4.06. Section 4, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	10.02 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		01426	**2006**	**2016**	
		Sources:	Rural (Residential Areas)			
Recreation	**Fecal Coliform**		01426	**2004**	**2016**	
		Sources:	Rural (Residential Areas)			

TMDL Group ID: **50226**

VAS-Q11R_MCR03A06	**McClure River**	DICKENSON CO	Upstream of Caney Creek confluence to the Buffalo Creek confluence, includes the communities of McClure and Stratton; Section 4, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	3.27 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		50226	**2006**	**2018**	
		Sources:	Rural (Residential Areas)			

TMDL Watershed Name: **Middle Creek**

TMDL Group ID: **50199**

VAS-P03R_MID01A98	**Middle Creek**	TAZEWELL CO	Lower mainstem from mile 2.53 downstream to Clinch River confluence. Section 2, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	2.65 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		50199	**2006**	**2018**	
		Sources:	Rural (Residential Areas)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Tennessee and Big Sandy River Basins

TMDL Watershed Name: **Mumpower Creek**

TMDL Group ID: **50185**

VAS-O07R_MUM01A06	Mumpower Creek	WASHINGTON CO	A tributary to Little Creek; Section 4, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	2.80 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		50185	**2006**	**2018**	

Sources: Grazing in Riparian or Shoreline Zones
Source Unknown

TMDL Watershed Name: **Nordyke Creek**

TMDL Group ID: **50196**

VAS-O12R_NOR01A02	Nordyke Creek	WASHINGTON CO	A North Fork Holston tributary. Section 1, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	5.99 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		50196	**2006**	**2018**	

Sources: Source Unknown

TMDL Watershed Name: **Pawpaw Creek**

TMDL Group ID: **00270**

VAS-Q03R_PPW01A94	Pawpaw Creek	BUCHANAN CO	From KY political boundary downstream to Knox Ck confluence, along SR 643. Section 3, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	4.54 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		00270	**1994**	**2006**	

Sources: Surface Mining

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Tennessee and Big Sandy River Basins

TMDL Watershed Name: **Plum Creek**

TMDL Group ID: **01395**

VAS-P01R_PLU01A04	Plum Creek	TAZEWELL CO	Central Tazewell County from headwaters to Clinch River confluence. Section 2, Class IV.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	5.06 MILES	01395	**2004**	**2016**	

Sources: Grazing in Riparian or Shoreline Zones
Source Unknown

TMDL Watershed Name: **Poor Valley Creek**

TMDL Group ID: **40107**

VAS-P19R_PVC01A02	Poor Valley Creek	LEE CO	Powell River tributary. Section 1, Class IV.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**	2.69 MILES	40107	**2004**	**2016**	

Sources: Drought-related Impacts

TMDL Watershed Name: **Pound Reservoir, North Fork**

TMDL Group ID: **01427**

VAS-Q13L_PNK01A02	North Fork Pound Reservoir	DICKENSON CO	NE of Clintwood near KY state line. Section 4b, Class IV, PWS

VA Overall AU Category: **5C**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	115.76 ACRES	01427	**2004**	**2016**	

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Tennessee and Big Sandy River Basins

TMDL Watershed Name: **Pound River**

TMDL Group ID: **01430**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-Q13R_PNR01A00	**Pound River**	DICKENSON CO	Pound River from Georges Fork upstream to the confluence of North Fork and South Fork Pound Rivers. Section 4, Class VI.

VA Overall AU Category: **5A**

Use	Impairment	16.67 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		01430	**2004**	**2016**	

Sources: Source Unknown

TMDL Group ID: **40111**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-Q13R_PNR02B02	**Pound River**	DICKENSON CO	From Georges Fork confluence downstream to lake backwaters. Section 4, Class VI.

VA Overall AU Category: **5A**

Use	Impairment	3.66 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		40111	**2006**	**2018**	

Sources: Source Unknown

TMDL Watershed Name: **Pound River, North Fork**

TMDL Group ID: **00397**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-Q13R_PNK01A96	**North Fork Pound River**	DICKENSON CO	Mainstem from the backwaters of North Fork Pound Lake, river mile 1.08, downstream to the confluence with Pound River. Section 4, Class V, DGIF vi.

VA Overall AU Category: **5A**

Use	Impairment	1.51 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		00397	**1996**	**2008**	

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Tennessee and Big Sandy River Basins

TMDL Watershed Name: **Pound River, South Fork**

TMDL Group ID: **00398**

VAS-Q13R_DAD01A04 **Donald Branch** DICKENSON CO Headwaters to South Fork Pound River, Section 4, Class IV.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**	1.87 MILES	00398	**2002**	**2014**	

Sources: Surface Mining

VAS-Q13R_PNS01A02 **South Fork Pound River** DICKENSON CO Unnamed tributary in headwaters from unnamed tirbutary immediately upstream of Rat Creek downstream to the Glady Fork confluence. Section 4, Class IV.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**	3.22 MILES	00398	**1994**	**2014**	

Sources: Coal Mining

VAS-Q13R_PNS01A94 **South Fork Pound River** DICKENSON CO Mainstem from Glady Fk confluence downstream to confluence with Pound River. Section 4, Class IV.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**	3.31 MILES	00398	**1994**	**2008**	

Sources: Coal Mining

VAS-Q13R_PNS02A02 **Phillips Creek** DICKENSON CO Headwaters of South Fork Pound River, Section 4, Class IV.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**	2.12 MILES	00398	**2002**	**2014**	

Sources: Coal Mining

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Tennessee and Big Sandy River Basins

TMDL Watershed Name: **Pound River, South Fork**

TMDL Group ID: **00398**

VAS-Q13R_PNS02B04	**South Fork Pound River**	DICKENSON CO	Mainstem only from Phillips Creek downstream to unnamed tributary just upstream of Rat Creek, in Wise County. Section 4, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	2.10 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		00398	**1994**	**2008**	

Sources: Coal Mining

TMDL Watershed Name: **Powell River**

TMDL Group ID: **00265**

VAS-P17R_POW01A94	**Powell River**	WISE CO	Powell River from Roaring Branch confluence, 180.83, downstream to Dakota St. in Big Stone Gap, river mile 177.53. Section 1, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	2.62 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00265	**2002**	**2006**	The original fecal coliform impairment is no longer appropriate because there are 12 or more e.coli samples that indicate impairment.

Sources: Urban Runoff/Storm Sewers

TMDL Group ID: **00676**

VAS-P17R_POW01A94	**Powell River**	WISE CO	Powell River from Roaring Branch confluence, 180.83, downstream to Dakota St. in Big Stone Gap, river mile 177.53. Section 1, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	2.62 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		00676	**1994**	**2006**	

Sources: Rural (Residential Areas)
Source Unknown

TMDL Group ID: **01415**

VAS-P19R_POW03A00	**Powell River**	LEE CO	From confluence of Poor Valley Ck downstream to PWS segment. Section 1, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	6.37 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		01415	**2004**	**2016**	

Sources: Agriculture
Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Tennessee and Big Sandy River Basins

TMDL Watershed Name: **Powell River**

TMDL Group ID: **01416**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-P19R_POW03A00	**Powell River**	LEE CO	From confluence of Poor Valley Ck downstream to PWS segment. Section 1, Class IV.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**	6.37 MILES	01416	**2004**	**2016**	

Sources: Source Unknown

TMDL Group ID: **01420**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-P23R_POW02A00	**Powell River**	LEE CO	From Hardy Creek confluence downstream to Yellow Creek confluence. Section 1, Class IV.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**	8.43 MILES	01420	**2002**	**2014**	

Sources: Animal Feeding Operations (NPS)

TMDL Group ID: **50217**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-P17R_POW01B02	**Powell River**	WISE CO	Mainstem Powell River from Benges Branch confluence downstream to Roaring Fork confluence. Section 1, Class IV.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	5.24 MILES	50217	**2006**	**2018**	

Sources: Rural (Residential Areas)

TMDL Group ID: **50220**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-P21R_POW02A02	**Powell River**	LEE CO	Powell River from the confluence of Town Creek downstream to the confluence of Dry Creek. Section 1, Class IV.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	12.69 MILES	50220	**2006**	**2018**	

Sources: Animal Feeding Operations (NPS)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Tennessee and Big Sandy River Basins

TMDL Watershed Name: **Powell River, North Fork**

TMDL Group ID: **00266**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-P20R_PWL01A00	**North Fork Powell River**	LEE CO	From Straight Ck confluence, river mile 6.25, downstream to Powell River confluence. Section 1, Class IV.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	6.02 MILES	00266	**2004**	**2016**	The original fecal coliform impairment is no longer appropriate because there are 12 or more e.coli samples that indicate impairment.

Sources: Rural (Residential Areas)

TMDL Group ID: **00267**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-P20R_PWL01A00	**North Fork Powell River**	LEE CO	From Straight Ck confluence, river mile 6.25, downstream to Powell River confluence. Section 1, Class IV.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**	6.02 MILES	00267	**1994**	**2006**	

Sources: Rural (Residential Areas)
Source Unknown

TMDL Watershed Name: **Powell River, South Fork**

TMDL Group ID: **00510**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-P18R_PLL01A02	**South Fork Powell River**	WISE CO	Mainstem from confluence of Beaverdam Creek downstream to Butcher Fork confluence. Section 1, Class IV.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**	1.90 MILES	00510	**1998**	**2010**	

Sources: Loss of Riparian Habitat

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-P18R_PLL01A98	**South Fork Powell River**	WISE CO	Mainstem, from Butcher Fork confluence downstream to confluence with Powell River. Section 1, Class IV.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**	3.71 MILES	00510	**1998**	**2010**	

Sources: Loss of Riparian Habitat
Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Tennessee and Big Sandy River Basins

TMDL Watershed Name: **Powell River, South Fork**

TMDL Group ID: **01414**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-P18R_PLL02A00	**SOUTH FORK POWELL RIVER**	WISE CO	Segment from Big Cherry Reservoir downstream to Beaverdam Creek confluence. Section 1, Class IV.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	6.33 MILES	01414	**2004**	**2016**	

Sources: Loss of Riparian Habitat
Rural (Residential Areas)

TMDL Watershed Name: **Roaring Branch**

TMDL Group ID: **40106**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-P17R_RRN01A00	**Roaring Branch**	WISE CO	Mainstem from Potcamp Branch downstream to the confluence with Powell River. Section 1, Class IV.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**	2.87 MILES	40106	**2004**	**2016**	

Sources: Atmospheric Deposition - Acidity

TMDL Watershed Name: **Russell Fork**

TMDL Group ID: **01425**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-Q09R_RSS02A00	**Russell Fork**	BUCHANAN CO	Unassessed stream segments in the headwaters of Russell Fork downstream to the confluence of Hollow Poplar Branch. Section 4, Class IV.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	8.68 MILES	01425	**2004**	**2016**	The original fecal coliform impairment is no longer appropriate because there are 12 or more e.coli samples that indicate impairment.

Sources: Rural (Residential Areas)

TMDL Group ID: **40110**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-Q12R_RSS03A02	**Russell Fork**	DICKENSON CO	Upper mainstem from the Pound River confluence upstream to Russell Prater Creek confluence. Section 4, Class IV.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	3.77 MILES	40110	**2002**	**2014**	

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Tennessee and Big Sandy River Basins

TMDL Watershed Name: **Russell Fork**

TMDL Group ID: **50227**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-Q12R_RSS02A04	**Russell Fork**	DICKENSON CO	From VA/KY political boundary upstream 2.2 miles. Elkhorn City, KY raw water intake.Section 4e, Class V, PWS.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	2.21 MILES	50227	**2006**	**2018**	

Sources: Source Unknown

TMDL Watershed Name: **Russell Prater Creek**

TMDL Group ID: **00210**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-Q12R_RPC01A96	**Russell Prater Creek**	BUCHANAN CO DICKENSON CO	Headwaters at Poplar Gap downstream to Russell Fork confluence. Section 4, Class IV.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**	11.28 MILES	00210	**1996**	**2006**	

Sources: Coal Mining

TMDL Watershed Name: **Slate Creek**

TMDL Group ID: **00514**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-Q07R_SAT01A00	**Slate Creek**	BUCHANAN CO	Mainstem from the Upper Rockhouse Branch confluence downstream to the confluence with Levisa Fork. Section 3, Class IV.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**	9.10 MILES	00514	**1994**	**2010**	

Sources: Loss of Riparian Habitat
Source Unknown
Streambank Modifications/destablization

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Tennessee and Big Sandy River Basins

TMDL Watershed Name: **Slate Creek**

TMDL Group ID: **00515**

VAS-Q07R_SAT01A00	Slate Creek	BUCHANAN CO	Mainstem from the Upper Rockhouse Branch confluence downstream to the confluence with Levisa Fork. Section 3, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	9.10 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		00515	**1994**	**2010**	

Sources: Rural (Residential Areas)
Septage Disposal

TMDL Watershed Name: **Smith Creek**

TMDL Group ID: **50197**

VAS-O12R_SMI01A02	Smith Creek	WASHINGTON CO	A North Fork Holston tributary. Section 1, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	7.87 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		50197	**2006**	**2018**	

Sources: Grazing in Riparian or Shoreline Zones

TMDL Watershed Name: **Staunton Creek**

TMDL Group ID: **50212**

VAS-P09R_SUT01A02	Staunton Creek	SCOTT CO	Staunton Creek is a tributary to Clinch River. Section 2, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	9.38 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		50212	**2006**	**2018**	

Sources: Source Unknown

TMDL Watershed Name: **Stock Creek**

TMDL Group ID: **30019**

VAS-P13R_STO01A00	Stock Creek	SCOTT CO	From stream mile 4.56 downstream to the Clinch River confluence. Section 2, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	4.52 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		30019	**2004**	**2016**	

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Tennessee and Big Sandy River Basins

TMDL Watershed Name: **Straight Creek**

TMDL Group ID: **00271**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-P20R_SRA01A94	**Straight Creek**	LEE CO	From headwaters downstream to North Fork Powell confluence. Section 1, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	6.64 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00271	**2002**	**2006**	The original fecal coliform impairment is no longer appropriate because there are 12 or more e.coli samples that indicate impairment.

Sources: Septage Disposal

TMDL Watershed Name: **Straight Creek, Stone Creek and Tributaries**

TMDL Group ID: **00272**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-P20R_BAI01A00	**Bailey's Trace**	LEE CO	Headwaters downstream to Straight Ck confluence. Section 1, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	4.57 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		00272	**1996**	**2006**	

Sources: Acid Mine Drainage
Unpermitted Discharge (Domestic Wastes)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-P20R_ELC01A00	**Ely Creek**	LEE CO	Ely Ck and Tributaries including Goose Ck, Bean Ck & tributaries to the confluence of Stone Ck. Section 1, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	3.27 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		00272	**1996**	**2010**	

Sources: Acid Mine Drainage

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-P20R_GIN01A00	**Gin Creek**	LEE CO	Headwaters and tributaries downstream to Straight Ck confluence. Section 1, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	2.60 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		00272	**1996**	**2010**	

Sources: Acid Mine Drainage

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Tennessee and Big Sandy River Basins

TMDL Watershed Name: **Straight Creek, Stone Creek and Tributaries**

TMDL Group ID: **00272**

VAS-P20R_LCK01A00 **Lick Branch** LEE CO

Headwaters and tributaries downstream to Puckett Ck confluence. Not in NHD. Section 1, Class IV.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**	0.75 MILES	00272	**1996**	**2010**	

Sources: Acid Mine Drainage

VAS-P20R_PCK01A00 **Puckett Creek** LEE CO

A Straight Creek tributary from headwaters to mouth, west of St. Charles. Section 1, Class IV.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**	5.31 MILES	00272	**1996**	**2006**	

Sources: Acid Mine Drainage

VAS-P20R_SRA01A94 **Straight Creek** LEE CO

From headwaters downstream to North Fork Powell confluence. Section 1, Class IV.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**	6.64 MILES	00272	**1996**	**2006**	

Sources: Acid Mine Drainage

VAS-P20R_STC01A96 **Stone Creek** LEE CO

Confluence of Ely Ck to the Straight Ck confluence & tributaries. Section 1, Class IV.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**	4.32 MILES	00272	**1996**	**2006**	

Sources: Acid Mine Drainage

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Tennessee and Big Sandy River Basins

TMDL Watershed Name: **Straight Creek, Stone Creek and Tributaries**

TMDL Group ID: **00272**

VAS-P20R_STC02A00	Stone Creek	LEE CO	Headwaters and tributaries downstream to Ely Ck confluence. Section 1, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	5.77 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		00272	**1996**	**2006**	

Sources: Acid Mine Drainage
Rural (Residential Areas)

TMDL Watershed Name: **Swords Creek (Lower)**

TMDL Group ID: **40011**

VAS-P04R_SWD01A00	Swords Creek, lower	RUSSELL CO	Mainstem from Sulphur Spring Branch confluence downstream to confluence with Clinch River. Section 2, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	2.88 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		40011	**2002**	**2014**	

Sources: Rural (Residential Areas)

TMDL Watershed Name: **Thompson Creek**

TMDL Group ID: **50209**

VAS-P07R_TMP01A06	Thompson Creek	RUSSELL CO	From Coulwood to confluence with Clinch River at Artrip. Section 2, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	4.26 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		50209	**2006**	**2018**	

Sources: Agriculture
Rural (Residential Areas)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Tennessee and Big Sandy River Basins

TMDL Watershed Name: **Toole Creek**

TMDL Group ID: **40102**

VAS-O11R_TOO01A98	**Toole Creek**	WASHINGTON CO	A North Fork Holston tributary. Mainstem from headwaters to North Fork Holston confluence. Section 1, Class VI, designated natural trout waters, DGIF ii.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	5.99 MILES	40102	**2006**	**2018**	

Sources: Livestock (Grazing or Feeding Operations)
Rural (Residential Areas)

TMDL Watershed Name: **Town Creek**

TMDL Group ID: **50221**

VAS-P21R_TOW01A06	**Town Creek**	LEE CO	South of Jonesville, Section 1, Class IV.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	2.31 MILES	50221	**2006**	**2018**	

Sources: Animal Feeding Operations (NPS)
Rural (Residential Areas)

TMDL Watershed Name: **Tumbling Creek**

TMDL Group ID: **40103**

VAS-O11R_TUM01A00	**Tumbling Creek**	SMYTH CO	Tumbling Ck from NFH confluence upstream 1.58 miles. Section 1, Class V, designated stockable trout waters, DGIF v.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	1.56 MILES	40103	**2006**	**2018**	

Sources: Rural (Residential Areas)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Tennessee and Big Sandy River Basins

TMDL Watershed Name: **Walker Creek**

TMDL Group ID: **50179**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-O04R_WAL01A02	Walker Creek	SMYTH CO	A Middle Fork Holston River tributary. Section 5. Class V, designated stockable trout waters.

VA Overall AU Category: **5A**

Use	Impairment	10.58 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		50179	**2006**	**2018**	

Sources: Animal Feeding Operations (NPS)

TMDL Watershed Name: **Wallen Creek**

TMDL Group ID: **50222**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-P22R_WAL01A00	Wallen Creek	LEE CO	Mainstem from confluence of Lone Branch downstream to the comfluence with Powell River. Section 1, Class V, designated stockable trout waters, DGIF vi.

VA Overall AU Category: **5A**

Use	Impairment	2.03 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		50222	**2006**	**2018**	

Sources: Animal Feeding Operations (NPS)

TMDL Group ID: **90000**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-P22R_WAL01A00	Wallen Creek	LEE CO	Mainstem from confluence of Lone Branch downstream to the comfluence with Powell River. Section 1, Class V, designated stockable trout waters, DGIF vi.

VA Overall AU Category: **5A**

Use	Impairment	2.03 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		90000	**2002**	**2014**	

Sources: Animal Feeding Operations (NPS)

TMDL Watershed Name: **Weaver Creek**

TMDL Group ID: **50210**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-P07R_WEA01A06	Weaver Creek	RUSSELL CO	From Hart Creek confluence to Confluence with Clinch River west of Artrip. Section 2, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	5.64 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		50210	**2006**	**2018**	

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Tennessee and Big Sandy River Basins

TMDL Watershed Name: **Whitetop Laurel Creek**

TMDL Group ID: **50176**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-O02R_WLC01A06	**Whitetop Laurel Creek**	WASHINGTON CO	Mainstem from Straight Branch confluence downstream to Laurel Ck confluence. Section 6, Class VI, designated natural trout waters, DGIF ii.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	3.19 MILES	50176	**2006**	**2018**	

Sources: Source Unknown

TMDL Watershed Name: **Wise Reservoir**

TMDL Group ID: **01400**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-P11L_XAR01A02	**Wise Reservoir**	WISE CO	South of Lonesome Pine Airport. Section 2, Class IV, PWS

VA Overall AU Category: **5C**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	46.12 ACRES	01400	**2004**	**2014**	

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

TMDL Watershed Name: **Wolf Creek**

TMDL Group ID: **30007**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-O06R_WLF01A98	**Wolf Creek**	WASHINGTON CO	Lower mainstem from Town Creek confluence downstream to Rt 75 bridge. Section 3a, Class IV.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	4.53 MILES	30007	**2006**	**2018**	

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-O06R_WLF02B06	**Wolf Creek**	WASHINGTON CO	Lower end of Wolf Creek from Rt 75 bridge near Green Spring downstream to lake backwaters.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.41 MILES	30007	**2006**	**2018**	

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Tennessee and Big Sandy River Basins

TMDL Watershed Name: **Wolf Creek**

TMDL Group ID: **30007**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-O06R_WLF03A06	**Wolf Creek**	WASHINGTON CO	From upper Rt 75 bridge near Abingdon downstream to Rt 75 bridge near Green Spring.

VA Overall AU Category: **5A**

Use	Impairment	2.93 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		30007	**2006**	**2018**	

Sources: Source Unknown

TMDL Group ID: **40010**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-O06R_WLF02B06	**Wolf Creek**	WASHINGTON CO	Lower end of Wolf Creek from Rt 75 bridge near Green Spring downstream to lake backwaters.

VA Overall AU Category: **5A**

Use	Impairment	0.41 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		40010	**1998**	**2010**	

Sources: Animal Feeding Operations (NPS)
Rural (Residential Areas)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-O06R_WLF03A06	**Wolf Creek**	WASHINGTON CO	From upper Rt 75 bridge near Abingdon downstream to Rt 75 bridge near Green Spring.

VA Overall AU Category: **5A**

Use	Impairment	2.93 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		40010	**1998**	**2010**	

Sources: Animal Feeding Operations (NPS)
Rural (Residential Areas)

TMDL Group ID: **40104**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-O11R_WOL01A02	**Wolf Creek**	WASHINGTON CO	A North Fork Holston River tributary. Section 1, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	0.88 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		40104	**2006**	**2018**	

Sources: Animal Feeding Operations (NPS)
Rural (Residential Areas)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Tennessee and Big Sandy River Basins

TMDL Watershed Name: **Wolf Creek**

TMDL Group ID: **50182**

VAS-O06R_WLF02B06	Wolf Creek	WASHINGTON CO	Lower end of Wolf Creek from Rt 75 bridge near Green Spring downstream to lake backwaters.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	0.41 MILES	50182	**2004**	**2016**	

Sources: Grazing in Riparian or Shoreline Zones
Rural (Residential Areas)

TMDL Watershed Name: **Wolf Creek, Lower**

TMDL Group ID: **00506**

VAS-O06R_WLF01A98	Wolf Creek	WASHINGTON CO	Lower mainstem from Town Creek confluence downstream to Rt 75 bridge. Section 3a, Class IV.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**	4.53 MILES	00506	**1998**	**2010**	

Sources: Animal Feeding Operations (NPS)
Rural (Residential Areas)

TMDL Group ID: **00507**

VAS-O06R_WLF01A98	Wolf Creek	WASHINGTON CO	Lower mainstem from Town Creek confluence downstream to Rt 75 bridge. Section 3a, Class IV.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	4.53 MILES	00507	**2004**	**2016**	

Sources: Grazing in Riparian or Shoreline Zones
Rural (Residential Areas)

VAS-O06R_WLF03A06	Wolf Creek	WASHINGTON CO	From upper Rt 75 bridge near Abingdon downstream to Rt 75 bridge near Green Spring.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	2.93 MILES	00507	**2004**	**2016**	

Sources: Grazing in Riparian or Shoreline Zones
Rural (Residential Areas)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Tennessee and Big Sandy River Basins

Note: * Includes Category 4A and 4C Impairments within each Assessment Unit. Assessment Units may extend across jurisdictional boundaries.

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name:

TMDL Group ID: 76092

VAT-C10E_ZZZ01A06	Unsegmented estuaries in C10E-CB7PH.	ACCOMACK CO NORTHAMPTON CO	Evaluated non segmented portions of C10E not contained within VACB-R01E-CB7S. Portion of CBP segment CB7PH. No DSS shellfish direct harvesting condemnations.

VA Overall AU Category: **5A**

Use	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Antipoison Creek**

TMDL Group ID: **00947**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-C01E_ANT01A98	**Antipoison Creek**	LANCASTER CO	Described in the condemnation notice 017-188A, 7/13/2004. Size extended in 2006 cycle, and now incorporates old segment ANT02A00, which was deleted CB5MH

VA Overall AU Category: **5A**

Use	Impairment	0.44 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		00947	**1998**	**2010**	VAP-C01E-28 VDH-DSS Shellfish Condemnation Notice 017-188, 7/13/2004 Expanded in 2006 cycle.

Sources: Source Unknown

TMDL Watershed Name: **Arbuckle Creek**

TMDL Group ID: **76019**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAT-D02E_ARB01A06	**Arbuckle Creek**	ACCOMACK CO	Southeast of Persimmon Point, between the mouth of Assawoman Creek and Womans Bay. DSS shellfish condemnation # 099-135A (Effective date 2004-12-30).

VA Overall AU Category: **5B**

Use	Impairment	0.04 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		76019	**2006**	**2018**	Added to DSS shellfish condemnation # 099-135A for 2006 IR. Effective date 2004-12-30.

Sources: Source Unknown

TMDL Watershed Name: **Assawoman Creek**

TMDL Group ID: **76125**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAT-D02E_ASW01A00	**Assawoman Creek - Upper**	ACCOMACK CO	From headwaters downstream to confluence of Petit Branch (RM 3.4). Portion of DSS shellfish condemnation # 099-135A.

VA Overall AU Category: **5A**

Use	Impairment	0.07 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Enterococcus**		76125	**2006**	**2010**	Need FC data to confirm assessment derived from downstream impairment @ 7-ASW003.36. The Recreatiion Use is impaired due to exceedance of the criteria for Enterococci (4 violates / 12 obs.) bacteria extrapolated from downstream station.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Assawoman Creek**

TMDL Group ID: **76125**

VAT-D02E_ASW02A00	Assawoman Creek - Lower	ACCOMACK CO	From confluence of Petit Branch downstream to mouth. Portion of DSS shellfish condemnation # 099-135A (Effective date 2002-09-26).

VA Overall AU Category: **5A**

Use	Impairment	0.06 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Enterococcus**		76125	**2006**	**2010**	The Recreatiion Use is impaired due to exceedance of the criteria for Enterococci (4 violates / 12 obs.). Recreation Use impaired due to Enterococcus concentrations exceeding the swimming indicator criteria (the previous Fecal Coliform indicator bacteria impairment no longer applies, replaced by Enterococcus criteria impairment since threshold of 12 observations reached, with TMDL due date same as original FC impairment).

Sources: Source Unknown

TMDL Watershed Name: **Assawoman Creek, Lower**

TMDL Group ID: **00429**

VAT-D02E_ASW02A00	Assawoman Creek - Lower	ACCOMACK CO	From confluence of Petit Branch downstream to mouth. Portion of DSS shellfish condemnation # 099-135A (Effective date 2002-09-26).

VA Overall AU Category: **5A**

Use	Impairment	0.06 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		00429	**1998**	**2010**	

Sources: Source Unknown

TMDL Group ID: **01457**

VAT-D02E_ASW02A00	Assawoman Creek - Lower	ACCOMACK CO	From confluence of Petit Branch downstream to mouth. Portion of DSS shellfish condemnation # 099-135A (Effective date 2002-09-26).

VA Overall AU Category: **5A**

Use	Impairment	0.06 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01457	**2004**	**2014**	The 2004 IR DO impairment is retained until improvement can be confirmed in next assessment (2006 IR data showed 3 violates / 30 obs. = 10.0% violation rate).

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Assawoman Creek, Upper**

TMDL Group ID: **01250**

VAT-D02E_ASW01A00	**Assawoman Creek - Upper**	ACCOMACK CO	From headwaters downstream to confluence of Petit Branch (RM 3.4). Portion of DSS shellfish condemnation # 099-135A.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**	0.07	SQUARE MILES	01250	**1998**	**2010**	

Sources: Source Unknown

TMDL Watershed Name: **Back Creek**

TMDL Group ID: **00994**

VAP-C04E_BKA01A98	**Back Creek**	GLOUCESTER CO	Described in the condemnation notice 042-157C, 9/15/2004. Size adjusted in 2006, although area did not change MOBPH

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**	0.08	SQUARE MILES	00994	**1998**	**2010**	VAP-C04E-10 VDH-DSS SFC Number 042-157C, 9/17/2004

Sources: Source Unknown

TMDL Group ID: **01755**

VAT-C07E_BCK01A00	**Back Creek - Upper**	YORK CO	Back Creek (S of York R mouth) is a tributary to The Thorofare and Chesapeake Bay. From end of tidal waters downstream to point upstream of Dandy (RM 1.6). CBP Segment MOBPH. DSS shellfish condemnation # 053-151A.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**	0.09	SQUARE MILES	01755	**1998**	**2010**	DSS shellfish condemnation # 053-151A (Effective 2004 IR = 2001-04-30 & for 2006 IR = 2005-11-03).

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Back River, Northwest Branch**

TMDL Group ID: **01214**

VAT-C07E_NWB01A06	Northwest Br. Back River - Upper	HAMPTON CITY POQUOSON CITY CITY	Headwaters to confluence of Topping Creek @ RM 1.5, end of DSS shellfish condemnation #054-021C. Condemnation less Cedar/Topping & Brick Kiln Creeks. CBP Segment MOBPH.

VA Overall AU Category: **5A**

Use	Impairment	0.39 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01214	**2004**	**2010**	

Sources: Source Unknown

TMDL Watershed Name: **Back River, Southwest Branch (Upper)**

TMDL Group ID: **01217**

VAT-C07E_SWB01A06	Southwest Branch - Back River	HAMPTON CITY	Headwaters of Southwest Branch downstream to mouth, confluence with Back R. Includes Tides Mill Cr. DSS shellfish condemnation # 054-021E. CBP segment MOBPH.

VA Overall AU Category: **5A**

Use	Impairment	1.76 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01217	**2006**	**2010**	DSS shellfish condemnation # 054-021E.

Sources: Source Unknown

TMDL Group ID: **01437**

VAT-C07E_SWB01A06	Southwest Branch - Back River	HAMPTON CITY	Headwaters of Southwest Branch downstream to mouth, confluence with Back R. Includes Tides Mill Cr. DSS shellfish condemnation # 054-021E. CBP segment MOBPH.

VA Overall AU Category: **5A**

Use	Impairment	1.76 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		01437	**2006**	**2014**	Previous DEQ station showed impairment @7-SWB000.00 for Fecal Coliform bacteria (2002 IR). The Recreation Use is impaired due to previous Fecal Coliform data recorded during the 2002 IR which indicated exceedance of the bactreia criteria, there are no current data to assess the Recreation Use.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Bagwell Creek**

TMDL Group ID: **00362**

VAT-C10E_BAG01A00	Bagwell Creek	ACCOMACK CO	Northwest of Town of Justisville. Entirety of creek. Portion of CBP segment POCMH. DSS shellfish direct harvesting condemnation # 077-138 C.

VA Overall AU Category: **5A**

Use	Impairment	0.19 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		00362	**1998**	**2010**	DSS shellfish direct harvesting condemnation # 077-138 C.

Sources: Source Unknown

TMDL Watershed Name: **Ball Creek**

TMDL Group ID: **00948**

VAP-C01E_BAL01A02	Ball Creek	NORTHUMBERLAND CO	Described in the condemnation notice 014-124B, 5/15/2001. CB5MH.

VA Overall AU Category: **5A**

Use	Impairment	0.08 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		00948	**1998**	**2010**	00948 (SF) VAP-C01E-14 VDH-DSS Shellfish Condemnation Notice 014-124B, 5/15/01

Sources: Source Unknown

TMDL Watershed Name: **Balls Creek**

TMDL Group ID: **15014**

VAP-C01E_BLS01A02	Balls Creek	NORTHUMBERLAND CO	Described in the condemnation notice 013-089B, 4/16/2004. Size expanded in 2006 cycle. Segment BLS02A04 was incorporated into this segment, then was deleted. CB5MH.

VA Overall AU Category: **5A**

Use	Impairment	0.18 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		15014	**1998**	**2010**	15014 (SF) VAP-C01E-02 VDH-DSS Condemnation Notice 013-89B, 4/16/2004. The area expanded during the 2006 cycle. Segment BLS02A04 was incorporated into this segment, then deleted.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Barlow Creek - Upper**

TMDL Group ID: **00405**

VAT-C14E_BRL01A06	Barlow Creek - Upper	NORTHAMPTON CO	In area of Old Town Neck. Portion of CBP segment CB7PH. DSS shellfish condemnation # 086-136D.

VA Overall AU Category: **5A**

Use	Impairment	0.04 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		00405		**2010**	DSS shellfish condemnation # 085-199 A.

Sources: Source Unknown

TMDL Watershed Name: **Barrett Creek**

TMDL Group ID: **15003**

VAP-C01E_BAR01A98	Barrett Creek	NORTHUMBERLAND CO	Described in the condemnation notice, 013-089D, 4/16/2004. Area expanded during 2006 cycle. CB5MH.

VA Overall AU Category: **5A**

Use	Impairment	0.10 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		15003	**2002**	**2018**	15003 (SF) VAP-C01E-04 VDH-DSS Condemnation Notice 013-089D, 4/16/2004.

Sources: Source Unknown

TMDL Watershed Name: **Betts Mill Creek**

TMDL Group ID: **00949**

VAP-C01E_BMC01A04	Betts Mill Creek	NORTHUMBERLAND CO	Described in the VDH Shellfish Condemnation 013-089I, 4/16/2004. CB5MH.

VA Overall AU Category: **5A**

Use	Impairment	0.08 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		00949	**2004**	**2016**	00949 (SF) VAP-C01E-33 VDH-DSS Shellfish Condemnation Number 013-089I, 4/16/2004.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Billups Creek**

TMDL Group ID: **00995**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-C04E_BLP01A98	**Billups Creek**	MATHEWS CO	Described in the condemnation notice 037-061C, 7/15/2004. Size adjusted in 2006 although area did not change from 2004 cycle. PIAMH

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**	0.08	SQUARE MILES	00995	**1998**	**2010**	VAP-C04E-07 VDH-DSS SFC Number 037-161C, 7/15/2004

Sources: Source Unknown

TMDL Watershed Name: **Blackwater Creek**

TMDL Group ID: **00996**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-C04E_BLW01A98	**Blackwater Creek**	MATHEWS CO	Described in the condemnation notice 042-131A, 9/17/2004. Size adjusted in 2006 cycle, although area did not change. MOBPH

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**	0.51	SQUARE MILES	00996	**1998**	**2010**	VAP-C04E-11 VDH-DSS SFC Number 042-131A, 9/17/2004

Sources: Source Unknown

TMDL Watershed Name: **Brick Kiln Creek**

TMDL Group ID: **00413**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAT-C07E_BRK01A06	**Brick Kiln Creek**	HAMPTON CITY YORK CO	From 0.3 mi. downstream of Big Bethel Res. dam (approx. RM 5.0, end of tidal waters north of Ebenezer Church) downstream to confluence with Northwest Br. Back R. CBP Segment MOBPH. Portion of DSS shellfish condemnation #054-021C.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Enterococcus**			00413	**2004**	**2010**	

Sources: Source Unknown

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Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Brick Kiln Creek (Cedar Creek)**

TMDL Group ID: **01208**

VAT-C07E_BRK01A06 **Brick Kiln Creek** HAMPTON CITY YORK CO

From 0.3 mi. downstream of Big Bethel Res. dam (approx. RM 5.0, end of tidal waters north of Ebenezer Church) downstream to confluence with Northwest Br. Back R. CBP Segment MOBPH. Portion of DSS shellfish condemnation #054-021C.

VA Overall AU Category: **5A**

Use	Impairment	0.09 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01208	**1998**	**2010**	Portion of DSS shellfish condemnation #054-021C. VAT-C07E-18 (DSS# 21B) merged into VAT-C07E-21 (DSS# 054-021C) effective 2004-06-02.

Sources: Source Unknown

TMDL Watershed Name: **Broad Bay, Long Creek and Linkhorn Bay**

TMDL Group ID: **00168**

VAT-C08E_BBY01A06 **Broad Bay - Upper** VIRGINIA BEACH CITY

Located adjacent to Broad Bay Colony area of VB. East of Lynnhaven River. Portion of CBP segment LYNPH. Portion of DSS shellfish direct harvesting condemnation # 071-025 C (balance in VAT-C08E_DEY01A00, _LKN01A00 & _CRY01A00).

VA Overall AU Category: **5D**

Use	Impairment	0.90 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		00168	**1998**	**2004**	Portion of DSS condemnation #071-025 C (balance in VAT-C08E_LKN01A00 & CRY01A00).TMDL completed and EPA approved (Category 4A) in 2004.

Sources: Discharges from Municipal Separate Storm Sewer Systems (MS4)
Municipal (Urbanized High Density Area)
Natural Sources
Non-Point Source
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)

VAT-C08E_LKN01A00 **Linkhorn Bay** VIRGINIA BEACH CITY

Located adjacent to Linkhorn Estates area of VB. East of Lynnhaven River. Portion of CBP segment LYNPH. Portion of DSS shellfish direct harvesting condemnation #071-025 C (balance in VAT-C08E_CRY01A00, _BBY01A00 & _LON01A00).

VA Overall AU Category: **5D**

Use	Impairment	0.95 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		00168	**1998**	**2004**	Portion of DSS condemnation #071-025 C (balance in VAT-C08E_LKN01A00 & CRY01A00). A TMDL has been completed and EPA approved (Category 4A) in 2004.

Sources: Discharges from Municipal Separate Storm Sewer Systems (MS4)
Municipal (Urbanized High Density Area)
Natural Sources
Non-Point Source
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Broad Bay, Long Creek and Linkhorn Bay**

TMDL Group ID: **00168**

VAT-C08E_LON01A00 **Long Creek** VIRGINIA BEACH CITY

Northern shore tributary of Broad Bay, near Bay Island area. Portion of CBP segment LYNPH. DSS shellfish direct harvesting condemnation #071-025 B. Effective 2003-12-11.

VA Overall AU Category: **5D**

Use	Impairment	0.27 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		00168	**1998**	**2004**	Portion of DSS condemnation #071-025 B. Effective 2003-12-11. A TMDL has been completed and EPA approved (Category 4A) in 2004.

Sources: Discharges from Municipal Separate Storm Sewer Systems (MS4)
Municipal (Urbanized High Density Area)
Natural Sources
Non-Point Source
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)

TMDL Watershed Name: **Browns Bay and Monday Creek**

TMDL Group ID: **01023**

VAP-C06E_MNC01A98 **Monday Creek** GLOUCESTER CO

Described in the condemnation notice 125, 12/3/2002.

MOBPH

VA Overall AU Category: **5A**

Use	Impairment	0.04 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01023	**1998**	**2010**	VAP-C06E-02 VDH DSS Shellfish Condemnation 045-125, 12/3/2002

Sources: Source Unknown

TMDL Watershed Name: **Bulbeggar Creek**

TMDL Group ID: **01228**

VAT-C09E_BLB01A06 **Bulbeggar Creek** ACCOMACK CO

Located southeast of Pitts Neck area. From estuarine/riverine transition (end of tidal waters) downstream to mouth (confluence with Pocomoke Sound). Portion of CBP segment POCOH. Portion of DSS shellfish condemnation # 075-033.

VA Overall AU Category: **5A**

Use	Impairment	0.12 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01228	**1998**	**2010**	Portion of DSS shellfish condemnation # 075-033.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Bulbeggar Creek**

TMDL Group ID: **01447**

VAT-C09E_BLB01A06	Bulbeggar Creek	ACCOMACK CO	Located southeast of Pitts Neck area. From estuarine/riverine transition (end of tidal waters) downstream to mouth (confluence with Pocomoke Sound). Portion of CBP segment POCOH. Portion of DSS shellfish condemnation # 075-033.

VA Overall AU Category: **5A**

Use	Impairment	0.12 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Enterococcus**		01447	**2006**	**2016**	The Recreation Use is impaired due to exceedance of the instantaneous criteria for Enterococcus (6 violate / 11 obs.) and Fecal Coliform (4 violate / 9 obs.) bacteria.
		Sources: Source Unknown				
Recreation	**Fecal Coliform**		01447	**1998**	**2016**	The Recreation Use is impaired due to exceedance of the instantaneous criteria for Enterococcus (6 violate / 11 obs.) and Fecal Coliform (4 violate / 9 obs.) bacteria.
		Sources: Source Unknown				

TMDL Watershed Name: **Burke Mill Stream**

TMDL Group ID: **01017**

VAP-C04R_BUR01A00	Burke Mill Stream	GLOUCESTER CO MATHEWS CO	From Burke Pond to extent of tide.

VA Overall AU Category: **5A**

Use	Impairment	2.69 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		01017	**2004**	**2016**	This segment was listed as not supporting for recreational use in 2004 due to fecal coliform violations at 7-BUR001.19. Monitoring for this station ended in 2001.
		Sources: Source Unknown				

TMDL Watershed Name: **Bush Mill Stream**

TMDL Group ID: **00977**

VAP-C01R_BMS01A98	Bush Mill Stream	NORTHUMBERLAND CO	Bush Mill Stream upstream of the tributary at river mile 2.43.

VA Overall AU Category: **5A**

Use	Impairment	5.87 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		00977	**2002**	**2014**	VAP-C01R-01 7-BMS004.46 (A) DEQ monitoring at this station ceased in 2001. The 2002 fecal coliform Recreation Use impairment for this segment continues due to violations recorded at the Rt. 601 bridge. The TMDL due date in 2014.
		Sources: Source Unknown				

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Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Cape Charles Harbor, Upper**

TMDL Group ID: **01453**

VAT-C16E_CCH01A04	Cape Charles Harbor - Upper	NORTHAMPTON CO	From most upstream end of harbor downstream to 1/2 distance to mouth (RM 0.23). Portion of CBP segment CB7PH. DSS ADMINISTRATIVE condemnation # 089-011A (VPDES outfall condemnation for Cape Charles STP VA0021288).

VA Overall AU Category: **5A**

Use	Impairment	0.06 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Enterococcus**		01453	**2004**	**2016**	The Recreation Use is impaired (4 violate / 15 obs.) due to exceedance of the instantaneous criteria for Enterococcus bacteria.

Sources: Source Unknown

TMDL Watershed Name: **Cedar & Topping Creeks**

TMDL Group ID: **01219**

VAT-C07E_CCR01A06	Cedar & Topping Creeks	POQUOSON CITY CITY	Located near City of Poquoson. Cedar & Topping Creeks are tribs to the north shore of the Northwest Branch of Back River. Portion of DSS condemnation # 054-021C (less NW Br Back R./Brick Kiln Cr. portion). CBP Segment MOBPH.

VA Overall AU Category: **5A**

Use	Impairment	0.10 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01219	**2006**	**2016**	Portion of DSS condemnation # 054-021C (less NW Br Back R./Brick Kiln Cr. portion).

Sources: Source Unknown

TMDL Watershed Name: **Cedar Creek**

TMDL Group ID: **00274**

VAT-C11E_CED01A00	Cedar Creek	ACCOMACK CO	Entire estuarine portion of creek. North shore tributary of Onancock Creek. Portion of CBP segment CB7PH. DSS shellfish condemnation 080-013 B.

VA Overall AU Category: **5A**

Use	Impairment	0.06 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		00274	**1998**	**2010**	DSS shellfish condemnation 080-013B.

Sources: Source Unknown

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Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Cherrystone Inlet - Upper**

TMDL Group ID: **76556**

VAT-C15E_CRS01A06	Cherrystone Inlet - Upper	NORTHAMPTON CO	Upper northern branch 1/5 of Inlet, from Eyreville Neck downstream to confluence with Chesapeake Bay. Including Old Castle Cr. Portion of CBP segment CB7PH. DSS condemnation # 088-139A.

VA Overall AU Category: **5A**

Use	Impairment	0.30 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		76556	**1998**	**2010**	

Sources: Source Unknown

TMDL Watershed Name: **Chesapeake Bay - CBP Segment CB5MH**

TMDL Group ID: **00520**

VACB-R01E-CB5	CHESAPEAKE BAY - VA portion of CBP Segment CB5MH	CHESAPEAKE BAY - COUNTY NOT APPLICABLE	Located in the northern part of the Virginia mainstem Bay from the mouth of the Rappahannock River and northward. HUC: 02080101.

VA Overall AU Category: **5A**

Use	Impairment	187.60 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Estuarine Bioassessments**		00520	**2004**	**2018**	

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay - CBP Segment CB5MH**

TMDL Group ID: **80007**

VACB-R01E-CB5	**CHESAPEAKE BAY - VA portion of CBP Segment CB5MH**	CHESAPEAKE BAY - COUNTY NOT APPLICABLE	Located in the northern part of the Virginia mainstem Bay from the mouth of the Rappahannock River and northward. HUC: 02080101.

VA Overall AU Category: **5A**

Use	Impairment	187.60 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		80007	**2006**	**2010**	

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay - CBP Segment CB6PH (North)**

TMDL Group ID: **80008**

VACB-R01E-CB6N	**CHESAPEAKE BAY - Northern portion of CBP Segment CB6PH**	CHESAPEAKE BAY - COUNTY NOT APPLICABLE	Located in the northeastern half of the Virginia mainstem Bay between James and Rappahannock Rivers. HUC: 0208010.

VA Overall AU Category: **5A**

Use	Impairment	127.00 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		80008		**2010**	
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Deep-Water Aquatic Life	**Oxygen, Dissolved**		80008		**2010**	
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		80008		**2010**	
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay - CBP Segment CB6PH (North)**

TMDL Group ID: **80009**

VACB-R01E-CB6N	**CHESAPEAKE BAY - Northern portion of CBP Segment CB6PH**	CHESAPEAKE BAY - COUNTY NOT APPLICABLE	Located in the northeastern half of the Virginia mainstem Bay between James and Rappahannock Rivers. HUC: 0208010.

VA Overall AU Category: **5A**

Use	Impairment	127.00 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		80009	**2006**	**2010**	

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		80009	**2006**	**2010**

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay - CBP Segment CB6PH (South)**

TMDL Group ID: **80010**

VACB-R01E-CB6S	**CHESAPEAKE BAY - Southern portion of CBP Segment CB6PH**	CHESAPEAKE BAY - COUNTY NOT APPLICABLE	Located in the Southeastern half of the Virginia mainstem Bay between James and Rappahannock Rivers. HUC: 0208010.

VA Overall AU Category: **5A**

Use	Impairment	160.24 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		80010		**2010**	
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		80010		**2010**	
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay - CBP Segment CB6PH (South)**

TMDL Group ID: **80011**

VACB-R01E-CB6S	**CHESAPEAKE BAY - Southern portion of CBP Segment CB6PH**	CHESAPEAKE BAY - COUNTY NOT APPLICABLE	Located in the Southeastern half of the Virginia mainstem Bay between James and Rappahannock Rivers. HUC: 0208010.

VA Overall AU Category: **5A**

Use	Impairment	160.24 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		80011	**2006**	**2010**	

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		80011	**2006**	**2010**

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay - CBP Segment CB7PH**

TMDL Group ID: **80003**

VACB-R01E-04CE	CHESAPEAKE BAY - Cape Charles BSS #11, Area A	NORTHAMPTON CO	Va Dept of Health Shellfish condemnation #11, Opposite Cape Charles City, Area "A". HUC: 02080101

VA Overall AU Category: **5A**

Use	Impairment	0.40 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		80003	**2006**	**2010**	

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		80003	**2006**	**2010**

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay - CBP Segment CB7PH (North)**

TMDL Group ID: **80012**

VACB-R01E-CB7N	**CHESAPEAKE BAY - Northern portion of CBP Segment CB7PH**	CHESAPEAKE BAY - COUNTY NOT APPLICABLE	This assessment unit is the Northern portion of Chesapeake Bay Program segment CB7PH, located in the western half of the Virginia northwestern mainstem Bay between James and Rappahannock Rivers.

VA Overall AU Category: **5A**

Use	Impairment	170.00 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		80012		**2010**	
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		80012		**2010**	
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay - CBP Segment CB7PH (North)**

TMDL Group ID: **80013**

VACB-R01E-CB7N	**CHESAPEAKE BAY - Northern portion of CBP Segment CB7PH**	CHESAPEAKE BAY - COUNTY NOT APPLICABLE	This assessment unit is the Northern portion of Chesapeake Bay Program segment CB7PH, located in the western half of the Virginia northwestern mainstem Bay between James and Rappahannock Rivers.

VA Overall AU Category: **5A**

Use	Impairment	170.00 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		80013	**2006**	**2010**	

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		80013	**2006**	**2010**

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay - CBP Segment CB7PH (South)**

TMDL Group ID: **80014**

VACB-R01E-CB7S	**CHESAPEAKE BAY - Southern portion of CBP Segment CB7PH**	CHESAPEAKE BAY - COUNTY NOT APPLICABLE	This assessment unit is souther portion of Chesapeake Bay Program segment CB7PH, located in the southwestern half of the Virginia mainstem Bay between James and Rappahannock Rivers.

VA Overall AU Category: **5A**

Use	Impairment	386.34 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		80014		**2010**	
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		80014		**2010**	
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay - CBP Segment CB7PH (South)**

TMDL Group ID: **80015**

VACB-R01E-CB7S	**CHESAPEAKE BAY - Southern portion of CBP Segment CB7PH**	CHESAPEAKE BAY - COUNTY NOT APPLICABLE	This assessment unit is souther portion of Chesapeake Bay Program segment CB7PH, located in the southwestern half of the Virginia mainstem Bay between James and Rappahannock Rivers.

VA Overall AU Category: **5A**

Use	Impairment	386.34 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		80015	**2006**	**2010**	
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		80015	**2006**	**2010**	
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay - CBP Segment CB8PH**

TMDL Group ID: **80016**

VACB-R01E-CB8	**CHESAPEAKE BAY - CBP Segment CB8PH**	CHESAPEAKE BAY - COUNTY NOT APPLICABLE	Mainstem Chesapeake Bay between mouth of James River and mouth of Chesapeake Bay. HUC: 02080101

VA Overall AU Category: **5A**

Use	Impairment	152.60 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		80016	**2006**	**2010**	

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Clean Sediments
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sediment Resuspension (Clean Sediment)
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**	80016	**2006**	**2010**

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Clean Sediments
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sediment Resuspension (Clean Sediment)
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

TMDL Watershed Name: **Chesapeake Bay - CBP Segment MOBPH**

TMDL Group ID: **80017**

VACB-R01E-MOB	**CHESAPEAKE BAY - CBP Segment MOBPH**	GLOUCESTER CO YORK CO	This assessment unit is Chesapeake Bay Program segment MOBPH, located off the mouth of the York River including Mobjack Bay. HUC: 02080101.

VA Overall AU Category: **5A**

Use	Impairment	93.20 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Estuarine Bioassessments**		80017	**2006**	**2018**	

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay - CBP Segment MOBPH**

TMDL Group ID: **80018**

VACB-R01E-MOB	**CHESAPEAKE BAY - CBP Segment MOBPH**	GLOUCESTER CO YORK CO	This assessment unit is Chesapeake Bay Program segment MOBPH, located off the mouth of the York River including Mobjack Bay. HUC: 02080101.

VA Overall AU Category: **5A**

Use	Impairment	93.20 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		80018	**2006**	**2010**	
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		80018	**2006**	**2010**	
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay - CBP Segment MOBPH**

TMDL Group ID: **80019**

VACB-R01E-MOB	CHESAPEAKE BAY - CBP Segment MOBPH	GLOUCESTER CO YORK CO	This assessment unit is Chesapeake Bay Program segment MOBPH, located off the mouth of the York River including Mobjack Bay. HUC: 02080101.

VA Overall AU Category: **5A**

Use	Impairment	93.20 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		80019	**2006**	**2010**	

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Clean Sediments
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sediment Resuspension (Clean Sediment)
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		80019	**2006**	**2010**

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Clean Sediments
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sediment Resuspension (Clean Sediment)
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

TMDL Group ID: **90014**

VACB-R01E-MOB	CHESAPEAKE BAY - CBP Segment MOBPH	GLOUCESTER CO YORK CO	This assessment unit is Chesapeake Bay Program segment MOBPH, located off the mouth of the York River including Mobjack Bay. HUC: 02080101.

VA Overall AU Category: **5A**

Use	Impairment	93.20 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		90014	**2006**	**2018**	

Sources: Source Unknown

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Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay - CBP Segment TANMH**

TMDL Group ID: **80001**

VACB-C10E_TNN01A06	**Tangier North Channel and Adjacent Waters, DSS Area A**	ACCOMACK CO	Waters surrounding Tangier Island. Portion of CBP segment TANMH. DSS (ADMINISTRATIVE) shellfish condemnation # 076-086 A [effective 1993-10-29].

VA Overall AU Category: **5A**

Use	Impairment (1.56 SQUARE MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	80001	**2006**	**2010**	
	Sources: Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)				
Open-Water Aquatic Life	**Oxygen, Dissolved**	80001	**2006**	**2010**	
	Sources: Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)				

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay - CBP Segment TANMH**

TMDL Group ID: **80001**

VACB-C10E_TNN01B06	**Tangier North Channel and Adjacent Waters, DSS Area B**	ACCOMACK CO	Waters surrounding Tangier Island. Portion of CBP segment TANMH. DSS (ADMINISTRATIVE) shellfish condemnation # 076-086 B [effective 1993-10-29].

VA Overall AU Category: **5A**

Use	Impairment	0.00 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		80001	**2006**	**2010**	
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		80001	**2006**	**2010**	
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay - CBP Segment TANMH**

TMDL Group ID: **80001**

VACB-C10E-TAN	**CHESAPEAKE BAY - VA portion of CBP Segment TANMH**	ACCOMACK CO	This assessment unit is Chesapeake Bay Program segment TANMH, located in the northern part of the Virginia mainstem Bay aroung Tangier Sound. HUC: 02080101

VA Overall AU Category: **5A**

Use	Impairment (121.44 SQUARE MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	80001	**2006**	**2010**	
	Sources: Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)				
Open-Water Aquatic Life	**Oxygen, Dissolved**	80001	**2006**	**2010**	
	Sources: Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)				

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Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay - CBP Segment TANMH**

TMDL Group ID: **80002**

VACB-C10E-TAN	**CHESAPEAKE BAY - VA portion of CBP Segment TANMH**	ACCOMACK CO	This assessment unit is Chesapeake Bay Program segment TANMH, located in the northern part of the Virginia mainstem Bay aroung Tangier Sound. HUC: 02080101

VA Overall AU Category: **5A**

Use	Impairment (121.44 SQUARE MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**	80002	**2006**	**2010**	
	Sources: Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)				
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**	80002	**2006**	**2010**	
	Sources: Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)				

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay - Off Little Creek BSS #60, Area A**

TMDL Group ID: **80006**

VACB-R01E-04GE	CHESAPEAKE BAY - Off Little Creek BSS #60, Area A	NORFOLK CITY VIRGINIA BEACH CITY	Va Dept of Health Shellfish clusure #60, Area A. Off Little Creek. HUC: 02080101

VA Overall AU Category: **5A**

Use	Impairment	1.38 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		80006	**2006**	**2010**	

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		80006	**2006**	**2010**

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay - Off Little Creek BSS #60, Area B**

TMDL Group ID: **80005**

VACB-R01E-04EE	CHESAPEAKE BAY - Off Little Creek BSS #60, Area B	VIRGINIA BEACH CITY	Va Dept of Health Shellfish closure #60, Area B. Off Little Creek. HUC: 02080101

VA Overall AU Category: **5A**

Use	Impairment	0.54 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		80005	**2006**	**2010**	

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Clean Sediments
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sediment Resuspension (Clean Sediment)
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**	80005	**2006**	**2010**

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Clean Sediments
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sediment Resuspension (Clean Sediment)
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

TMDL Watershed Name: **Chesapeake Bay - Segment CB5MH**

TMDL Group ID: **90010**

VACB-R01E-CB5	CHESAPEAKE BAY - VA portion of CBP Segment CB5MH	CHESAPEAKE BAY - COUNTY NOT APPLICABLE	Located in the northern part of the Virginia mainstem Bay from the mouth of the Rappahannock River and northward. HUC: 02080101.

VA Overall AU Category: **5A**

Use	Impairment	187.60 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		90010	**2006**	**2018**	

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay - Segment CB6PH**

TMDL Group ID: **90011**

VACB-R01E-CB6N	**CHESAPEAKE BAY - Northern portion of CBP Segment CB6PH**	CHESAPEAKE BAY - COUNTY NOT APPLICABLE	Located in the northeastern half of the Virginia mainstem Bay between James and Rappahannock Rivers. HUC: 0208010.

VA Overall AU Category: **5A**

Use	Impairment	127.00 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		90011	**2006**	**2018**	

Sources: Source Unknown

VACB-R01E-CB6S	**CHESAPEAKE BAY - Southern portion of CBP Segment CB6PH**	CHESAPEAKE BAY - COUNTY NOT APPLICABLE	Located in the Southeastern half of the Virginia mainstem Bay between James and Rappahannock Rivers. HUC: 0208010.

VA Overall AU Category: **5A**

Use	Impairment	160.24 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		90011	**2006**	**2018**	

Sources: Source Unknown

TMDL Watershed Name: **Chesapeake Bay - Segment CB7PH**

TMDL Group ID: **90012**

VACB-R01E-04CE	**CHESAPEAKE BAY - Cape Charles BSS #11, Area A**	NORTHAMPTON CO	Va Dept of Health Shellfish condemnation #11, Opposite Cape Charles City, Area "A". HUC: 02080101

VA Overall AU Category: **5A**

Use	Impairment	0.40 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		90012	**2006**	**2018**	

Sources: Source Unknown

VACB-R01E-CB7N	**CHESAPEAKE BAY - Northern portion of CBP Segment CB7PH**	CHESAPEAKE BAY - COUNTY NOT APPLICABLE	This assessment unit is the Northern portion of Chesapeake Bay Program segment CB7PH, located in the western half of the Virginia northwestern mainstem Bay between James and Rappahannock Rivers.

VA Overall AU Category: **5A**

Use	Impairment	170.00 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		90012	**2006**	**2018**	

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay - Segment CB7PH**

TMDL Group ID: **90012**

VACB-R01E-CB7S	**CHESAPEAKE BAY - Southern portion of CBP Segment CB7PH**	CHESAPEAKE BAY - COUNTY NOT APPLICABLE	This assessment unit is souther portion of Chesapeake Bay Program segment CB7PH, located in the southwestern half of the Virginia mainstem Bay between James and Rappahannock Rivers.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	386.34	SQUARE MILES	90012	**2006**	**2018**	

Sources: Source Unknown

TMDL Watershed Name: **Chesapeake Bay - Segment CB8PH**

TMDL Group ID: **90013**

VACB-R01E-04EE	**CHESAPEAKE BAY - Off Little Creek BSS #60, Area B**	VIRGINIA BEACH CITY	Va Dept of Health Shellfish closure #60, Area B. Off Little Creek. HUC: 02080101

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.54	SQUARE MILES	90013	**2006**	**2018**	

Sources: Source Unknown

VACB-R01E-04GE	**CHESAPEAKE BAY - Off Little Creek BSS #60, Area A**	NORFOLK CITY VIRGINIA BEACH CITY	Va Dept of Health Shellfish clusure #60, Area A. Off Little Creek. HUC: 02080101

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	1.38	SQUARE MILES	90013	**2006**	**2018**	

Sources: Source Unknown

VACB-R01E-CB8	**CHESAPEAKE BAY - CBP Segment CB8PH**	CHESAPEAKE BAY - COUNTY NOT APPLICABLE	Mainstem Chesapeake Bay between mouth of James River and mouth of Chesapeake Bay. HUC: 02080101

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	152.60	SQUARE MILES	90013	**2006**	**2018**	

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay - VA portion of CBP segment POCMH**

TMDL Group ID: **80000**

VACB-C10E-POC	CHESAPEAKE BAY - VA portion of CBP segment POCMH	ACCOMACK CO	This assessment unit is Chesapeake Bay Program segment POCMH, located in the mesohaline area of Pokomoke sound. HUC: 02080101.

VA Overall AU Category: **5A**

Use	Impairment	48.40 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		80000	**2006**	**2010**	

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Clean Sediments
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sediment Resuspension (Clean Sediment)
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**	80000	**2006**	**2010**

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Clean Sediments
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sediment Resuspension (Clean Sediment)
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

TMDL Group ID: **90015**

VACB-C10E-POC	CHESAPEAKE BAY - VA portion of CBP segment POCMH	ACCOMACK CO	This assessment unit is Chesapeake Bay Program segment POCMH, located in the mesohaline area of Pokomoke sound. HUC: 02080101.

VA Overall AU Category: **5A**

Use	Impairment	48.40 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		90015	**2006**	**2018**	

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay - VA portion of CBP Segment TANMH**

TMDL Group ID: **90016**

VACB-C10E_TNN01A06 — **Tangier North Channel and Adjacent Waters, DSS Area A** — ACCOMACK CO

Waters surrounding Tangier Island. Portion of CBP segment TANMH. DSS (ADMINISTRATIVE) shellfish condemnation # 076-086 A [effective 1993-10-29].

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	1.56	SQUARE MILES	90016	**2006**	**2018**	

Sources: Source Unknown

VACB-C10E_TNN01B06 — **Tangier North Channel and Adjacent Waters, DSS Area B** — ACCOMACK CO

Waters surrounding Tangier Island. Portion of CBP segment TANMH. DSS (ADMINISTRATIVE) shellfish condemnation # 076-086 B [effective 1993-10-29].

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.00	SQUARE MILES	90016	**2006**	**2018**	

Sources: Source Unknown

VACB-C10E-TAN — **CHESAPEAKE BAY - VA portion of CBP Segment TANMH** — ACCOMACK CO

This assessment unit is Chesapeake Bay Program segment TANMH, located in the northern part of the Virginia mainstem Bay aroung Tangier Sound. HUC: 02080101

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	121.44	SQUARE MILES	90016	**2006**	**2018**	

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay - VA portion of CBP Segment TANMH**

TMDL Group ID: **90020**

VACB-C10E_TNN01A06	**Tangier North Channel and Adjacent Waters, DSS Area A**	ACCOMACK CO	Waters surrounding Tangier Island. Portion of CBP segment TANMH. DSS (ADMINISTRATIVE) shellfish condemnation # 076-086 A [effective 1993-10-29].

VA Overall AU Category: **5A**

Use	Impairment	1.56 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		90020	**2006**	**2010**	

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		90020	**2006**	**2010**

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay - VA portion of CBP Segment TANMH**

TMDL Group ID: **90020**

VACB-C10E_TNN01B06	**Tangier North Channel and Adjacent Waters, DSS Area B**	ACCOMACK CO	Waters surrounding Tangier Island. Portion of CBP segment TANMH. DSS (ADMINISTRATIVE) shellfish condemnation # 076-086 B [effective 1993-10-29].

VA Overall AU Category: **5A**

Use	Impairment	0.00 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		90020	**2006**	**2010**	

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		90020	**2006**	**2010**

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **01766**

VACB-R01E-CB5	**CHESAPEAKE BAY - VA portion of CBP Segment CB5MH**	CHESAPEAKE BAY - COUNTY NOT APPLICABLE	Located in the northern part of the Virginia mainstem Bay from the mouth of the Rappahannock River and northward. HUC: 02080101.

VA Overall AU Category: **5A**

Use	Impairment	187.60 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01766	**2004**	**2010**	

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Deep-Water Aquatic Life	**Oxygen, Dissolved**		01766	**2004**	**2010**

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **01766**

VAP-C01E_ANT01A98	Antipoison Creek	LANCASTER CO	Described in the condemnation notice 017-188A, 7/13/2004. Size extended in 2006 cycle, and now incorporates old segment ANT02A00, which was deleted CB5MH

VA Overall AU Category: **5A**

Use	Impairment	0.44 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01766	**2006**	**2010**	01766 (DO) VAP-A34E-27 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. In addition, the mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be assessed.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **01766**

VAP-C01E_BAL01A02	Ball Creek	NORTHUMBERLAND CO	Described in the condemnation notice 014-124B, 5/15/2001. CB5MH.

VA Overall AU Category: **5A**

Use	Impairment	0.08 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01766	**2006**	**2010**	01766 (DO) VAP-A34E-27 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. In addition, the mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be assessed.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **01766**

VAP-C01E_BAL02A02	Ball Creek	NORTHUMBERLAND CO	From VDH-DSS SFC 014-124B, 5/15/2001, downstream to its mouth. CB5MH.

VA Overall AU Category: **5A**

Use	Impairment	0.17 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01766	**2006**	**2010**	01766 (DO) VAP-A34E-27 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. In addition, the mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be assessed.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **01766**

VAP-C01E_BAR01A98	Barrett Creek	NORTHUMBERLAND CO	Described in the condemnation notice, 013-089D, 4/16/2004. Area expanded during 2006 cycle. CB5MH.

VA Overall AU Category: **5A**

Use	Impairment	0.10 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01766	**2006**	**2010**	01766 (DO) VAP-A34E-27 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. In addition, the mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be assessed.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **01766**

VAP-C01E_BLS01A02	Balls Creek	NORTHUMBERLAND CO	Described in the condemnation notice 013-089B, 4/16/2004. Size expanded in 2006 cycle. Segment BLS02A04 was incorporated into this segment, then was deleted. CB5MH.

VA Overall AU Category: **5A**

Use	Impairment	0.18 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01766	**2006**	**2010**	01766 (DO) VAP-A34E-27 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. In addition, the mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be assessed.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **01766**

VAP-C01E_BMC01A04	Betts Mill Creek	NORTHUMBERLAND CO	Described in the VDH Shellfish Condemnation 013-089I, 4/16/2004. CB5MH.

VA Overall AU Category: **5A**

Use	Impairment	0.08 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01766	**2006**	**2010**	01766 (DO) VAP-A34E-27 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. In addition, the mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be assessed.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **01766**

VAP-C01E_CLE01A98	Cloverdale Creek	NORTHUMBERLAND CO	Described in the condemnation notice 014-124A, 5/15/2001. CB5MH.

VA Overall AU Category: **5A**

Use	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01766	**2006**	**2010**	01766 (DO) VAP-A34E-27 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. In addition, the mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be assessed.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **01766**

VAP-C01E_CLE02A06	Cloverdale Creek	NORTHUMBERLAND CO	Downstream of condemnation notice 014-124A, 5/15/2001. CB5MH.

VA Overall AU Category: **5A**

Use	Impairment	0.06 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01766	**2006**	**2010**	01766 (DO) VAP-A34E-27 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. In addition, the mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be assessed.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **01766**

VAP-C01E_COC01A98	**Cockrell Creek**	NORTHUMBERLAND CO	As described in VDH-DSS Shellfish Condemnation No. 012-002B, 11/15/2004. Merged segment COC02A98 into this segment in 2006, then deleted it. Area adjusted. CB5MH. Size adjusted 2006.

VA Overall AU Category: **5A**

Use	Impairment	0.61 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01766	**2006**	**2010**	01766 (DO) VAP-A34E-27 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. In addition, the mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be assessed.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **01766**

VAP-C01E_COC03A98	Cockrell Creek	NORTHUMBERLAND CO	Described in the condemnation notice. VDH-DSS SFC No. 012-002C, 11/15/2004. CB5MH.

VA Overall AU Category: **5A**

Use	Impairment	0.04 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01766	**2006**	**2010**	01766 (DO) VAP-A34E-27 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. In addition, the mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be assessed.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **01766**

VAP-C01E_COC04A98	Cockrell Creek	NORTHUMBERLAND CO	From the downstream boundary of VDH-DSS Condemnation Notice 012-002A & C, 11/15/2004, to the mouth. Area decreased in 2006 cycle. CB5MH.

VA Overall AU Category: **5A**

Use	Impairment	0.43 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01766	**2006**	**2010**	01766 (DO) VAP-A34E-27 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. In addition, the mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be assessed.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **01766**

VAP-C01E_COC05A06	Cockrell Creek	NORTHUMBERLAND CO	From VDH-DSS SFC No. 012-002A, 11/15/2004, downstream to mouth at Fleet Point. CB5MH.

VA Overall AU Category: **5A**

Use	Impairment	0.19 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01766	**2006**	**2010**	01766 (DO) VAP-A34E-27 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. In addition, the mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be assessed.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **01766**

VAP-C01E_CRN01A06	Cranes Creek	NORTHUMBERLAND CO	Described in VDH-DSS (Seasonal) Shellfish Condemnation 013-089-M3, 4/16/2004. CB5MH.

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01766	**2006**	**2010**	01766 (DO) VAP-A34E-27 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. In addition, the mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be assessed.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **01766**

VAP-C01E_CRN01B06	Cranes Creek	NORTHUMBERLAND CO	Described in VDH-DSS Shellfish Condemnation 013-089-M4, 4/16/2004. CB5MH.

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01766	**2006**	**2010**	01766 (DO) VAP-A34E-27 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. In addition, the mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be assessed.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **01766**

VAP-C01E_DIV01A98	**Dividing Creek**	NORTHUMBERLAND CO	Described in the VDH-DSS SF condemnation notice 015-022A, 4/25/2003. CB5MH. This segment decreased in size for 2006; Lawrence Cove was separated into segment LRC01A06.

VA Overall AU Category: **5A**

Use	Impairment	0.23 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01766	**2004**	**2016**	01766 (DO) VAP-A34E-27 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. In addition, the mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be assessed.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **01766**

VAP-C01E_DIV03A00	**Dividing Creek**	NORTHUMBERLAND CO	From the downstream limit of VDH-DSS SFC 015-22A, 4/25/2003, to the mouth at Chesapeake Bay. CB5MH. Size adjusted in 2006 cycle due a reduction in size of the upstream condemnation.

VA Overall AU Category: **5A**

Use	Impairment	0.98 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01766	**2006**	**2010**	01766 (DO) VAP-A34E-27 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. In addition, the mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be assessed.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **01766**

VAP-C01E_DVN01A04 **Davenport Creek** LANCASTER CO Described in VDH Shellfish Condemnation 017-188B, 7/13/2004

CB5MH

VA Overall AU Category: **5A**

Use	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01766	**2006**	**2010**	01766 (DO) VAP-A34E-27 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. In addition, the mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be assessed.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **01766**

VAP-C01E_DYM01A98	Dymer Creek	LANCASTER CO	Described in the condemnation notice 016-24A, 1/6/2004. Area expanded in 2006 cycle. CB5MH.

VA Overall AU Category: **5A**

Use	Impairment	0.23 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01766	**2006**	**2010**	01766 (DO) VAP-A34E-27 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. In addition, the mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be assessed.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **01766**

VAP-C01E_DYM02A00	Dymer Creek	LANCASTER CO	Dymer Creek downstream of VDH-DSS SFC 016-24A 1/6/2004, unless otherwise segmented. CB5MH

VA Overall AU Category: **5A**

Use	Impairment	0.75 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01766	**2006**	**2010**	01766 (DO) VAP-A34E-27 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. In addition, the mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be assessed.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **01766**

VAP-C01E_DYM03A06 **Dymer Creek** LANCASTER CO Mouth of Dymer Creek at Grog Island

CB5MH.

VA Overall AU Category: **5A**

Use	Impairment	0.08 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01766	**2006**	**2010**	01766 (DO) VAP-A34E-27 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. In addition, the mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be assessed.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Deep-Water Aquatic Life	**Oxygen, Dissolved**		01766	**2006**	**2010**	01766 (DO) VAP-A34E-27 This segment also failed the applicable dissolved oxygen criteria for the deep water and deep channel uses in 2006. This includes isolated areas of the tributaries which are classified as deep water and/or deep channel.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **01766**

VAP-C01E_FLB01A00	Fleets Bay	LANCASTER CO NORTHUMBERLAND CO	Fleets Bay north of Bluff Point at Barnes Creek south to Fleets Island. CB5MH. Size adjusted in 2006 cycle.

VA Overall AU Category: **5A**

Use	Impairment	5.21 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01766	**2002**	**2010**	01766 (DO) VAP-A34E-27, (2002 VAP-C01E-16) In 2002, this segment was listed as not supporting for DO based on the bottom deep water criteria. I During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The segment failed the applicable dissolved oxygen criteria for deep water and deep channel. This includes the isolated areas of the tributaries which are classified as deep water or deep channel. In addition, the mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be assessed.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Changes in Ordinary Stratification and Bottom Water Hypoxia/Anoxia
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **01766**

Deep-Water Aquatic Life	**Oxygen, Dissolved**	01766	**2002**	**2010**	01766 (DO) VAP-A34E-27, (2002, VAP-C01E-16) In 2002, this segment was listed as not supporting for DO based on the bottom deep water criteria. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. The segment failed the applicable dissolved oxygen criteria for deep water and deep channel. This includes the isolated areas of the tributaries which are classified as deep water or deep channel. In addition, the mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be assessed.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **01766**

VAP-C01E_GEO01A98	Georges Cove	LANCASTER CO	Described in the condemnation notice 016-24C, 1/6/2004. The area expanded in the 2006 cycle. CB5MH.

VA Overall AU Category: **5A**

Use	Impairment	0.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01766	**2006**	**2010**	01766 (DO) VAP-A34E-27 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. In addition, the mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be assessed.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **01766**

VAP-C01E_GOU01A06	**Gougher Creek**	NORTHUMBERLAND CO	Described in VDH-DSS Shellfish Condemnation 013-089E, 4/16/2006. Area expanded in 2006 cycle. CB5MH.

VA Overall AU Category: **5A**

Use	Impairment	0.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01766	**2006**	**2010**	01766 (DO) VAP-A34E-27 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. The segment also failed the applicable dissolved oxygen criteria for deep water and deep channel. This includes the isolated areas of the tributaries which are classified as deep water or deep channel. In addition, the mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be assessed.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **01766**

Deep-Water Aquatic Life	**Oxygen, Dissolved**	01766	**2006**	**2010**	01766 (DO) VAP-A34E-27 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. The segment also failed the applicable dissolved oxygen criteria for deep water and deep channel. This includes the isolated areas of the tributaries which are classified as deep water or deep channel. In addition, the mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be assessed.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **01766**

VAP-C01E_GWR01A98	Great Wicomico River	NORTHUMBERLAND CO	Described in the condemnation notice 013-089A, 4/16/2004. CB5MH Size increased in 2004 cycle.

VA Overall AU Category: **5A**

Use	Impairment	0.55 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01766	**2004**	**2010**	01766 (DO) VAP-A34E-27 (VAP-C01E-01) In 2004, this segment was listed for dissolved oxygen (DO). During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. In addition, the mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be assessed.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **01766**

VAP-C01E_GWR02A00	**Great Wicomico River**	NORTHUMBERLAND CO	From VDH-DSS SFC No. 013-089A, 4/16/2004, downstream to Rogue Point. CB5MH. Size adjusted in 2006 cycle.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	2.05	SQUARE MILES	01766	**2006**	**2010**	01766 (DO) VAP-A34E-27 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. In addition, the mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be assessed.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **01766**

VAP-C01E_GWR02B06	Great Wicomico River	NORTHUMBERLAND CO	As described in VDH-DSS Shellfish Condemnation No. 013-089M1, 4/16/2004. CB5MH.

VA Overall AU Category: **5A**

Use	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01766	**2006**	**2010**	01766 (DO) VAP-A34E-27 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. In addition, the mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be assessed.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **01766**

VAP-C01E_GWR02C06	Great Wicomico River at Coles Creek	NORTHUMBERLAND CO	As described in VDH-DSS Shellfish Condemnation No. 013-089M2, 4/16/2004. CB5MH.

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01766	**2006**	**2010**	01766 (DO) VAP-A34E-27 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. In addition, the mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be assessed.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **01766**

VAP-C01E_GWR03A06	Great Wicomico River	NORTHUMBERLAND CO	From Rogue Point (GWR02A00) downstream to Ingram Bay at Dameron Marsh. CB5MH. Size adjusted in 2006 cycle.

VA Overall AU Category: **5A**

Use	Impairment	5.84 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01766	**2006**	**2010**	01766 (DO) VAP-A34E-27 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. The segment also failed the applicable dissolved oxygen criteria for deep water and deep channel. This includes the isolated areas of the tributaries which are classified as deep water or deep channel. In addition, the mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be assessed.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Deep-Water Aquatic Life	**Oxygen, Dissolved**		01766	**2006**	**2010**	01766 (DO) VAP-A34E-27 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. The segment also failed the applicable dissolved oxygen criteria for deep water and deep channel. This includes the isolated areas of the tributaries which are classified as deep water or deep channel.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **01766**

Sources: Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **01766**

VAP-C01E_HEN01A00	Henrys Creek	NORTHUMBERLAND CO	From its tidal limit to its mouth at Indian Creek.

VA Overall AU Category: **5A**

Use	Impairment	0.21 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01766	**2006**	**2010**	01766 (DO) VAP-A34E-27 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. The segment also failed the applicable dissolved oxygen criteria for deep water and deep channel. This includes the isolated areas of the tributaries which are classified as deep water or deep channel. In addition, the mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be assessed.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Deep-Water Aquatic Life	**Oxygen, Dissolved**		01766	**2006**	**2010**	01766 (DO) VAP-A34E-27 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. The segment also failed the applicable dissolved oxygen criteria for deep water and deep channel. This includes the isolated areas of the tributaries which are classified as deep water or deep channel.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **01766**

Sources: Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

VAP-C01E_HHB01A98	Horn Harbor	NORTHUMBERLAND CO	Described in the condemnation notice 013-089H, 4/16/2004. Area expanded for the 2006 cycle. CB5MH.

VA Overall AU Category: **5A**

Use	Impairment	0.07 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01766	**2006**	**2010**	01766 (DO) VAP-A34E-27 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. In addition, the mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be assessed.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **01766**

VAP-C01E_HNT01A98	Hunts Cove	LANCASTER CO	Described in the condemnation notice 24C, 2/27/1998. CB5MH.

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01766	**2006**	**2010**	01766 (DO) VAP-A34E-27 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. In addition, the mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be assessed.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **01766**

VAP-C01E_IND01A98	Indian Creek, Pitmans Cove	LANCASTER CO NORTHUMBERLAND CO	Described in the condemnation notice 016-57A, 11/30/2000. CB5MH. Pitmans Cove VAP-C01E_PIT01A98 and VAP-C01E_IND01A98 were incorporated into this segment, and were deleted in 2006.

VA Overall AU Category: **5A**

Use	Impairment	0.42 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01766	**2006**	**2010**	01766 (DO) VAP-A34E-27 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. In addition, the mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be assessed.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **01766**

VAP-C01E_IND02A98	**Indian Creek**	LANCASTER CO NORTHUMBERLAND CO	Described in the condemnation notice 016-57B, 11/30/2000. CB5MH.

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01766	**2006**	**2010**	01766 (DO) VAP-A34E-27 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. In addition, the mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be assessed.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **01766**

VAP-C01E_IND03A00	**Indian Creek**	LANCASTER CO NORTHUMBERLAND CO	From end of condemnation 016-057A 11/30/2000, downstream to mouth. CB5MH.

VA Overall AU Category: **5A**

Use	Impairment	0.66 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01766	**2002**	**2010**	01766 (DO) VAP-A34E-27 (2004 VAP-C01E-23) In 2002, this segment was listed as not supporting for DO based on the bottom deep water criteria. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. The segment also failed the applicable dissolved oxygen criteria for deep water and deep channel. This includes the isolated areas of the tributaries which are classified as deep water or deep channel. In addition, the mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be assessed.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Deep-Water Aquatic Life	**Oxygen, Dissolved**	01766	**2002**	**2010**	01766 (DO) VAP-A34E-27, (2004 VAP-C01E-23) In 2002, this segment was listed as not supporting for DO based on the bottom deep water criteria. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. Virginia's CB5 mesohaline segment was determined to fail the Shallow Water Use SAV acreage standards. The segment also failed the applicable dissolved oxygen criteria for deep water and deep channel. This includes the isolated areas of the tributaries which are classified as deep water or deep channel.

Sources: Agriculture

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **01766**

Sources: Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **01766**

VAP-C01E_IND03B06	Indian Creek	NORTHUMBERLAND CO	As described in VDH-DSS Seasonal Shellfish Condemnation No. 016-M174, 4/13/1989. CB5MH.

VA Overall AU Category: **5A**

Use	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01766	**2002**	**2010**	01766 (DO) VAP-A34E-27, (2004 VAP-C01E-23) During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. The segment also failed the applicable dissolved oxygen criteria for deep water and deep channel. This includes the isolated areas of the tributaries which are classified as deep water or deep channel. In addition, the mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be assessed.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Deep-Water Aquatic Life	**Oxygen, Dissolved**		01766	**2002**	**2010**	01766 (DO) VAP-A34E-27, (2004 VAP-C01E-23) During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. The segment failed the applicable dissolved oxygen criteria for deep water and deep channel. This includes the isolated areas of the tributaries which are classified as deep water or deep channel.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **01766**

Sources: Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

VAP-C01E_JAR01A02 **Jarvis Creek** NORTHUMBERLAND CO

As described in the condemnation notice 015-022F, 4/25/2003.

CB5MH.

VA Overall AU Category: **5A**

Use	Impairment	0.07 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01766	**2006**	**2010**	01766 (DO) VAP-A34E-27 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. In addition, the mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be assessed.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **01766**

VAP-C01E_JOH01A06 **Johnson Creek** LANCASTER CO Area as described in VDH-DSS SFC 016-24D 1/6/2004.

CB5MH

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01766	**2006**	**2010**	01766 (DO) VAP-A34E-27 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. In addition, the mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be assessed.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **01766**

VAP-C01E_LEE01A02	**Lees Cove**	LANCASTER CO	As described in the condemnation notice 016-24B, 1/6/2004. CB5MH

VA Overall AU Category: **5A**

Use	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01766	**2006**	**2010**	01766 (DO) VAP-A34E-27 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. In addition, the mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be assessed.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **01766**

VAP-C01E_LRC01A06	Lawrence Cove	NORTHUMBERLAND CO	As described in VDH-DSS SF Condemnation 015-022B, 4/25/2003 CB5MH. Size adjusted in 2006 cycle due a reduction in size of the upstream condemnation.

VA Overall AU Category: **5A**

Use	Impairment	0.09 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01766	**2006**	**2010**	01766 (DO) VAP-A34E-27 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. In addition, the mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be assessed.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **01766**

VAP-C01E_LTB01A02 **Little Bay** LANCASTER CO Little Bay

CB5MH.

Size adjusted 2006.

VA Overall AU Category: **5A**

Use	Impairment	1.09 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01766	**2006**	**2010**	01766 (DO)

VAP-A34E-27

During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria.

In addition, the mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be assessed.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **01766**

VAP-C01E_LTM01A98	Little Taskmasters Creek	NORTHUMBERLAND CO	Described in the condemnation notice 11-190A, 4/2/1999. DELIST: VDH-DSS SFC No. 11-190, 2/18/2004. CB5MH.

VA Overall AU Category: **5A**

Use	Impairment	0.04 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01766	**2006**	**2010**	01766 (DO) VAP-A34E-27 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. In addition, the mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be assessed.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **01766**

VAP-C01E_MIL01A98	Mill Creek	NORTHUMBERLAND CO	Described in the condemnation notice 014-123A, 8/3/2004. The area expanded for 2006. CB5MH.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	0.47	SQUARE MILES	01766	**2006**	**2010**	01766 (DO) VAP-A34E-27 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. In addition, the mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be assessed.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **01766**

VAP-C01E_MIL01B06	Mill Creek	NORTHUMBERLAND CO	Downstream of Clay Point. CB5MH.

VA Overall AU Category: **5A**

Use	Impairment	1.17 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01766	**2006**	**2010**	01766 (DO) VAP-A34E-27 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. In addition, the mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be assessed.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **01766**

VAP-C01E_OWN01A98	Owens Pond	NORTHUMBERLAND CO	Described in the condemnation notice 122, 1/3/1992. CB5MH. Size adjusted in 2006 cycle.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	0.17	SQUARE MILES	01766	**2006**	**2010**	01766 (DO) VAP-A34E-27 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. In addition, the mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be assessed.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **01766**

VAP-C01E_PNT01A02	Prentice Creek	NORTHUMBERLAND CO	Described in the condemnation notice 015-022D, 4/25/2003. CB5MH.

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01766	**2006**	**2010**	01766 (DO) VAP-A34E-27 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. In addition, the mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be assessed.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **01766**

VAP-C01E_PNT02A02	Prentice Creek	NORTHUMBERLAND CO	From VDH-DSS SFC 015-022D & 015-022E, 4/25/2003, downstream to its mouth. CB5MH.

VA Overall AU Category: **5A**

Use	Impairment	0.17 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01766	**2006**	**2010**	01766 (DO) VAP-A34E-27 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. In addition, the mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be assessed.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **01766**

VAP-C01E_PNT03A02	Prentice Creek	NORTHUMBERLAND CO	Described in the condemnation notice 015-022E, 4/25/2003. CB5MH.

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01766	**2006**	**2010**	01766 (DO) VAP-A34E-27 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. In addition, the mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be assessed.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **01766**

VAP-C01E_TBS01A98	**Tabbs Creek**	LANCASTER CO	Described in the condemnation notice 016-133, 12/6/2002. Size reduced in 2004 cycle. CB5MH

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	0.07	SQUARE MILES	01766	**2006**	**2010**	01766 (DO) VAP-A34E-27 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. In addition, the mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be assessed.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **01766**

VAP-C01E_TBS02A00	**Tabbs Creek**	LANCASTER CO	Tabbs Creek downstream of VDH-DSS SFC 133, 12/6/2002. CB5MH. Size adjusted in 2006 cycle.

VA Overall AU Category: **5A**

Use	Impairment	0.33 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01766	**2006**	**2010**	01766 (DO) VAP-A34E-27 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. The segment also failed the applicable dissolved oxygen criteria for deep water and deep channel. This includes the isolated areas of the tributaries which are classified as deep water or deep channel. In addition, the mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be assessed.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Deep-Water Aquatic Life	**Oxygen, Dissolved**		01766	**2006**	**2010**	01766 (DO) VAP-A34E-27 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. The segment failed the applicable dissolved oxygen criteria for deep water and deep channel. This includes the isolated areas of the tributaries which are classified as deep water or deep channel.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **01766**

Sources: Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

VAP-C01E_TIP01A98 **Tipers Creek** NORTHUMBERLAND CO

Described in the condemnation notice 013-089C, 4/16/2004.

Area expanded in 2006 cycle,

CB5MH.

VA Overall AU Category: **5A**

Use	Impairment	0.14 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01766	**2006**	**2010**	01766 (DO) VAP-A34E-27 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. In addition, the mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be assessed.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **01766**

VAP-C01E_TOW01A06	Towles Creek	NORTHUMBERLAND CO	Described in VDH-DSS Seasonal Shellfish Condemnation 014-123M1, 8/3/2004. CB5MH.

VA Overall AU Category: **5A**

Use	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01766	**2006**	**2010**	01766 (DO) VAP-A34E-27 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. In addition, the mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be assessed.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **01766**

VAP-C01E_WHY01A98	Whays Creek	NORTHUMBERLAND CO	Described in the condemnation notice 013-089F, 4/16/2004. Area expanded for the 2006 cycle. CB5MH.

VA Overall AU Category: **5A**

Use	Impairment	0.14 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01766	**2006**	**2010**	01766 (DO) VAP-A34E-27 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. In addition, the mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be assessed.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **01766**

VAP-C01E_WRH01A98 **Warehouse Creek** NORTHUMBERLAND CO

Described in the condemnation notice 013-089G, 4/16/2004. Area expanded for the 2006 cycle.

CB5MH.

VA Overall AU Category: **5A**

Use	Impairment	0.08 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01766	**2006**	**2010**	01766 (DO) VAP-A34E-27 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. The segment also failed the applicable dissolved oxygen criteria for deep water and deep channel. This includes the isolated areas of the tributaries which are classified as deep water or deep channel. In addition, the mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be assessed.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Deep-Water Aquatic Life	**Oxygen, Dissolved**	01766	**2006**	**2010**	01766 (DO) VAP-A34E-27 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. The segment also failed the applicable dissolved oxygen criteria for deep water and deep channel. This includes the isolated areas of the tributaries which are classified as deep water or deep channel.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **01766**

Sources: Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

VAP-C01E_XDL01A02 **Chesapeake Bay, UT** NORTHUMBERLAND CO

As described in condemnation notice 011-190, 2/18/2004.

CB5MH.

Size adjusted in 2006 cycle.

VA Overall AU Category: **5A**

Use	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01766	**2006**	**2010**	01766 (DO) VAP-A34E-27 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. In addition, the mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be assessed.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **01766**

VAP-C01E_XUC01A98	Unnamed Cove of Dividing Creek	NORTHUMBERLAND CO	Described in the condemnation notice 015-022C, 4/25/2003. CB5MH.

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01766	**2006**	**2010**	01766 (DO) VAP-A34E-27 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. In addition, the mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be assessed.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **01766**

VAP-C01E_ZZZ01A00	Unsegmented estuaries in C01	LANCASTER CO NORTHUMBERLAND CO	Unsegmented portion of the watershed. HUC 02080102. Size adjusted in 2006.

VA Overall AU Category: **5A**

Use	Impairment	2.97 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01766	**2006**	**2010**	01766 (DO) VAP-A34E-27 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. In addition, the mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segment-wide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be assessed.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **10061**

VAP-C01E_ANT01A98 **Antipoison Creek** LANCASTER CO

Described in the condemnation notice 017-188A, 7/13/2004.

Size extended in 2006 cycle, and now incorporates old segment ANT02A00, which was deleted

CB5MH

VA Overall AU Category: **5A**

Use	Impairment	0.44 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Clean Sediments
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sediment Resuspension (Clean Sediment)
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standard during the 2006 cycle.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Clean Sediments
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sediment Resuspension (Clean Sediment)
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **10061**

VAP-C01E_BAL01A02	Ball Creek	NORTHUMBERLAND CO	Described in the condemnation notice 014-124B, 5/15/2001. CB5MH.

VA Overall AU Category: **5A**

Use	Impairment	0.08 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	10061 (SAV) VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	10061 (SAV) VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle. \par \par \par }
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **10061**

VAP-C01E_BAL02A02	**Ball Creek**	NORTHUMBERLAND CO	From VDH-DSS SFC 014-124B, 5/15/2001, downstream to its mouth. CB5MH.

VA Overall AU Category: **5A**

Use	Impairment	0.17 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	10061 (SAV) VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	10061 (SAV) VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **10061**

VAP-C01E_BAR01A98	**Barrett Creek**	NORTHUMBERLAND CO	Described in the condemnation notice, 013-089D, 4/16/2004. Area expanded during 2006 cycle. CB5MH.

VA Overall AU Category: **5A**

Use	Impairment	0.10 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	10061 (SAV) VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	1510061 (SAV) VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **10061**

VAP-C01E_BLS01A02	Balls Creek	NORTHUMBERLAND CO	Described in the condemnation notice 013-089B, 4/16/2004. Size expanded in 2006 cycle. Segment BLS02A04 was incorporated into this segment, then was deleted. CB5MH.

VA Overall AU Category: **5A**

Use	Impairment	0.18 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	10061 (SAV) VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	10061 (SAV) VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **10061**

VAP-C01E_BMC01A04	**Betts Mill Creek**	NORTHUMBERLAND CO	Described in the VDH Shellfish Condemnation 013-089I, 4/16/2004. CB5MH.

VA Overall AU Category: **5A**

Use	Impairment	0.08 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	10061 (SAV) VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	10061 (SAV) VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **10061**

VAP-C01E_CLE01A98	Cloverdale Creek	NORTHUMBERLAND CO	Described in the condemnation notice 014-124A, 5/15/2001. CB5MH.

VA Overall AU Category: **5A**

Use	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	10061 (SAV) VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	10061 (SAV) VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **10061**

VAP-C01E_CLE02A06	Cloverdale Creek	NORTHUMBERLAND CO	Downstream of condemnation notice 014-124A, 5/15/2001. CB5MH.

VA Overall AU Category: **5A**

Use	Impairment	0.06 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	10061 (SAV) VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	10061 (SAV) VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **10061**

VAP-C01E_COC01A98	Cockrell Creek	NORTHUMBERLAND CO	As described in VDH-DSS Shellfish Condemnation No. 012-002B, 11/15/2004. Merged segment COC02A98 into this segment in 2006, then deleted it. Area adjusted. CB5MH. Size adjusted 2006.

VA Overall AU Category: **5A**

Use	Impairment	0.61 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	10061 (SAV) VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle. This segment was previously listed with an observed effect for Chl_a, however for the 2006 cycle, the violation rate was acceptable. Trend analysis was performed at 7-COC001.61. There were no statistically significant trends detected.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Clean Sediments
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sediment Resuspension (Clean Sediment)
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**	10061	**2006**	**2010**	10061 (SAV) VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Clean Sediments
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **10061**

Sources: Municipal Point Source Discharges
Sediment Resuspension (Clean Sediment)
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

VAP-C01E_COC03A98 **Cockrell Creek** NORTHUMBERLAND CO

Described in the condemnation notice. VDH-DSS SFC No. 012-002C, 11/15/2004.

CB5MH.

VA Overall AU Category: **5A**

Use	Impairment	0.04 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	10061 (SAV) VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Clean Sediments
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sediment Resuspension (Clean Sediment)
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**	10061	**2006**	**2010**	10061 (SAV) VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Clean Sediments
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sediment Resuspension (Clean Sediment)
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **10061**

VAP-C01E_COC04A98	**Cockrell Creek**	NORTHUMBERLAND CO	From the downstream boundary of VDH-DSS Condemnation Notice 012-002A & C, 11/15/2004, to the mouth. Area decreased in 2006 cycle. CB5MH.

VA Overall AU Category: **5A**

Use	Impairment	0.43 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	10061 (SAV) VAP-A34E-27 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. Virginia's CB5 mesohaline segment was determined to fail the Shallow Water Use SAV acreage standards.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	10061 (SAV) VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **10061**

VAP-C01E_COC05A06	**Cockrell Creek**	NORTHUMBERLAND CO	From VDH-DSS SFC No. 012-002A, 11/15/2004, downstream to mouth at Fleet Point. CB5MH.

VA Overall AU Category: **5A**

Use	Impairment	0.19 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	10061 (SAV) VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	15000 (PCBs), VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **10061**

VAP-C01E_CRN01A06	Cranes Creek	NORTHUMBERLAND CO	Described in VDH-DSS (Seasonal) Shellfish Condemnation 013-089-M3, 4/16/2004. CB5MH.

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	10061 (SAV) VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	10061 (SAV) VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **10061**

VAP-C01E_CRN01B06	Cranes Creek	NORTHUMBERLAND CO	Described in VDH-DSS Shellfish Condemnation 013-089-M4, 4/16/2004. CB5MH.

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	10061 (SAV) VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	10061 (SAV) VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **10061**

VAP-C01E_DIV01A98	Dividing Creek	NORTHUMBERLAND CO	Described in the VDH-DSS SF condemnation notice 015-022A, 4/25/2003. CB5MH. This segment decreased in size for 2006; Lawrence Cove was separated into segment LRC01A06.

VA Overall AU Category: **5A**

Use	Impairment	0.23 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	10061 (SAV) VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	10061 (SAV) VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **10061**

VAP-C01E_DIV03A00	**Dividing Creek**	NORTHUMBERLAND CO	From the downstream limit of VDH-DSS SFC 015-22A, 4/25/2003, to the mouth at Chesapeake Bay. CB5MH. Size adjusted in 2006 cycle due a reduction in size of the upstream condemnation.

VA Overall AU Category: **5A**

Use	Impairment	0.98 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	10061 (SAV) VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	10061 (SAV) VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **10061**

VAP-C01E_DVN01A04	**Davenport Creek**	LANCASTER CO	Described in VDH Shellfish Condemnation 017-188B, 7/13/2004 CB5MH

VA Overall AU Category: **5A**

Use	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **10061**

VAP-C01E_DYM01A98	**Dymer Creek**	LANCASTER CO	Described in the condemnation notice 016-24A, 1/6/2004. Area expanded in 2006 cycle. CB5MH.

VA Overall AU Category: **5A**

Use	Impairment	0.23 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	10061 (SAV) VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	10061 (SAV), VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **10061**

VAP-C01E_DYM02A00	**Dymer Creek**	LANCASTER CO	Dymer Creek downstream of VDH-DSS SFC 016-24A 1/6/2004, unless otherwise segmented. CB5MH

VA Overall AU Category: **5A**

Use	Impairment	0.75 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	10061 (SAV) VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	10061 (SAV) VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **10061**

VAP-C01E_DYM03A06	Dymer Creek	LANCASTER CO	Mouth of Dymer Creek at Grog Island CB5MH.

VA Overall AU Category: **5A**

Use	Impairment	0.08 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	10061 (SAV) VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	10061 (SAV) VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **10061**

VAP-C01E_FLB01A00	Fleets Bay	LANCASTER CO NORTHUMBERLAND CO	Fleets Bay north of Bluff Point at Barnes Creek south to Fleets Island. CB5MH. Size adjusted in 2006 cycle.

VA Overall AU Category: **5A**

Use	Impairment	5.21 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	10061 (SAV) VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	10061 (SAV) VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **10061**

VAP-C01E_GEO01A98 **Georges Cove** LANCASTER CO

Described in the condemnation notice 016-24C, 1/6/2004. The area expanded in the 2006 cycle.

CB5MH.

VA Overall AU Category: **5A**

Use	Impairment	0.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	10061 (SAV) VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	10061 (SAV) VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **10061**

VAP-C01E_GOU01A06	**Gougher Creek**	NORTHUMBERLAND CO	Described in VDH-DSS Shellfish Condemnation 013-089E, 4/16/2006. Area expanded in 2006 cycle. CB5MH.

VA Overall AU Category: **5A**

Use	Impairment	0.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	10061 (SAV) VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	10061 (SAV) VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **10061**

VAP-C01E_GWR01A98	Great Wicomico River	NORTHUMBERLAND CO	Described in the condemnation notice 013-089A, 4/16/2004. CB5MH Size increased in 2004 cycle.

VA Overall AU Category: **5A**

Use	Impairment	0.55 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	10061 (SAV) VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	10061 (SAV) VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **10061**

VAP-C01E_GWR02A00	Great Wicomico River	NORTHUMBERLAND CO	From VDH-DSS SFC No. 013-089A, 4/16/2004, downstream to Rogue Point. CB5MH. Size adjusted in 2006 cycle.

VA Overall AU Category: **5A**

Use	Impairment	2.05 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	10061 (SAV) VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	10061 (SAV) VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **10061**

VAP-C01E_GWR02B06	**Great Wicomico River**	NORTHUMBERLAND CO	As described in VDH-DSS Shellfish Condemnation No. 013-089M1, 4/16/2004. CB5MH.

VA Overall AU Category: **5A**

Use	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	10061 (SAV) VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	15000 (PCBs) VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **10061**

VAP-C01E_GWR02C06	Great Wicomico River at Coles Creek	NORTHUMBERLAND CO	As described in VDH-DSS Shellfish Condemnation No. 013-089M2, 4/16/2004. CB5MH.

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	10061 (SAV) VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	10061 (SAV) VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **10061**

VAP-C01E_GWR03A06	**Great Wicomico River**	NORTHUMBERLAND CO	From Rogue Point (GWR02A00) downstream to Ingram Bay at Dameron Marsh. CB5MH. Size adjusted in 2006 cycle.

VA Overall AU Category: **5A**

Use	Impairment	5.84 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	10061 (SAV) VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Clean Sediments
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sediment Resuspension (Clean Sediment)
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	10061 (SAV) VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Clean Sediments
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sediment Resuspension (Clean Sediment)
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **10061**

VAP-C01E_HEN01A00	Henrys Creek	NORTHUMBERLAND CO	From its tidal limit to its mouth at Indian Creek.

VA Overall AU Category: **5A**

Use	Impairment	0.21 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	10061 (SAV) VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	10061 (SAV) VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **10061**

VAP-C01E_HHB01A98	Horn Harbor	NORTHUMBERLAND CO	Described in the condemnation notice 013-089H, 4/16/2004. Area expanded for the 2006 cycle. CB5MH.

VA Overall AU Category: **5A**

Use	Impairment	0.07 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	10061 (SAV) VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	10061 (SAV) VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **10061**

VAP-C01E_HNT01A98	**Hunts Cove**	LANCASTER CO	Described in the condemnation notice 24C, 2/27/1998. CB5MH.

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	10061 (SAV) VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	10061 (SAV) VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **10061**

VAP-C01E_IND01A98	**Indian Creek, Pitmans Cove**	LANCASTER CO NORTHUMBERLAND CO	Described in the condemnation notice 016-57A, 11/30/2000. CB5MH. Pitmans Cove VAP-C01E_PIT01A98 and VAP-C01E_IND01A98 were incorporated into this segment, and were deleted in 2006.

VA Overall AU Category: **5A**

Use	Impairment	0.42 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	10061 (SAV) VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	10061 (SAV) VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **10061**

VAP-C01E_IND02A98	Indian Creek	LANCASTER CO NORTHUMBERLAND CO	Described in the condemnation notice 016-57B, 11/30/2000. CB5MH.

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	10061 (SAV) VAP-A34E-27 Assessment information IND01A98 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Clean Sediments
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sediment Resuspension (Clean Sediment)
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	10061 (SAV) VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Clean Sediments
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sediment Resuspension (Clean Sediment)
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **10061**

VAP-C01E_IND03A00	**Indian Creek**	LANCASTER CO NORTHUMBERLAND CO	From end of condemnation 016-057A 11/30/2000, downstream to mouth. CB5MH.

VA Overall AU Category: **5A**

Use	Impairment	0.66 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	10061 (SAV) VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	10061 (SAV) VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **10061**

VAP-C01E_IND03B06	**Indian Creek**	NORTHUMBERLAND CO	As described in VDH-DSS Seasonal Shellfish Condemnation No. 016-M174, 4/13/1989. CB5MH.

VA Overall AU Category: **5A**

Use	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	10061 (SAV) VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	10061 (SAV) VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **10061**

VAP-C01E_JAR01A02	**Jarvis Creek**	NORTHUMBERLAND CO	As described in the condemnation notice 015-022F, 4/25/2003. CB5MH.

VA Overall AU Category: **5A**

Use	Impairment	0.07 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	10061 (SAV) VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	10061 (SAV), VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **10061**

VAP-C01E_JOH01A06	**Johnson Creek**	LANCASTER CO	Area as described in VDH-DSS SFC 016-24D 1/6/2004. CB5MH

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	10061 (SAV) VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	10061 (SAV) VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **10061**

VAP-C01E_LEE01A02	**Lees Cove**	LANCASTER CO	As described in the condemnation notice 016-24B, 1/6/2004. CB5MH

VA Overall AU Category: **5A**

Use	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	10061 (SAV) VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	10061 (SAV) VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **10061**

VAP-C01E_LRC01A06	Lawrence Cove	NORTHUMBERLAND CO	As described in VDH-DSS SF Condemnation 015-022B, 4/25/2003 CB5MH. Size adjusted in 2006 cycle due a reduction in size of the upstream condemnation.

VA Overall AU Category: **5A**

Use	Impairment	0.09 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	10061 (SAV) VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	10061 (SAV) VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **10061**

VAP-C01E_LTB01A02	Little Bay	LANCASTER CO	Little Bay CB5MH. Size adjusted 2006.

VA Overall AU Category: **5A**

Use	Impairment	1.09 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	10061 (SAV) VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	10061 (SAV) VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **10061**

VAP-C01E_LTM01A98	Little Taskmasters Creek	NORTHUMBERLAND CO	Described in the condemnation notice 11-190A, 4/2/1999. DELIST: VDH-DSS SFC No. 11-190, 2/18/2004. CB5MH.

VA Overall AU Category: **5A**

Use	Impairment	0.04 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	10061 (SAV) VAP-C01E-17 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	10061 (SAV) VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **10061**

VAP-C01E_MIL01A98	**Mill Creek**	NORTHUMBERLAND CO	Described in the condemnation notice 014-123A, 8/3/2004. The area expanded for 2006. CB5MH.

VA Overall AU Category: **5A**

Use	Impairment	0.47 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	10061 (SAV) VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	10061 (SAV) VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **10061**

VAP-C01E_MIL01B06	Mill Creek	NORTHUMBERLAND CO	Downstream of Clay Point. CB5MH.

VA Overall AU Category: **5A**

Use	Impairment	1.17 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	10061 (SAV) VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle. Based on the information collected from the Coastal 2000 station 7-MIL000.27, the Weight of Evidence results indicated there was some alteration in the benthic community. Therefore this segment was assessed with observed effects for benthics.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	10061 (SAV) VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **10061**

VAP-C01E_OWN01A98	**Owens Pond**	NORTHUMBERLAND CO	Described in the condemnation notice 122, 1/3/1992. CB5MH. Size adjusted in 2006 cycle.

VA Overall AU Category: **5A**

Use	Impairment	0.17 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	10061 (SAV) VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	10061 (SAV) VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **10061**

VAP-C01E_PNT01A02	Prentice Creek	NORTHUMBERLAND CO	Described in the condemnation notice 015-022D, 4/25/2003. CB5MH.

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	10061 (SAV) VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	10061 (SAV) VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **10061**

VAP-C01E_PNT02A02	Prentice Creek	NORTHUMBERLAND CO	From VDH-DSS SFC 015-022D & 015-022E, 4/25/2003, downstream to its mouth. CB5MH.

VA Overall AU Category: **5A**

Use	Impairment	0.17 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	10061 (SAV) VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	10061 (SAV) VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **10061**

VAP-C01E_PNT03A02	Prentice Creek	NORTHUMBERLAND CO	Described in the condemnation notice 015-022E, 4/25/2003. CB5MH.

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	10061 (SAV) VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	10061 (SAV) VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **10061**

VAP-C01E_TBS01A98	**Tabbs Creek**	LANCASTER CO	Described in the condemnation notice 016-133, 12/6/2002. Size reduced in 2004 cycle. CB5MH

VA Overall AU Category: **5A**

Use	Impairment	0.07 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	7 VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **10061**

VAP-C01E_TBS02A00 **Tabbs Creek** LANCASTER CO

Tabbs Creek downstream of VDH-DSS SFC 133, 12/6/2002.

CB5MH.

Size adjusted in 2006 cycle.

VA Overall AU Category: **5A**

Use	Impairment	0.33 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **10061**

VAP-C01E_TIP01A98	**Tipers Creek**	NORTHUMBERLAND CO	Described in the condemnation notice 013-089C, 4/16/2004. Area expanded in 2006 cycle, CB5MH.

VA Overall AU Category: **5A**

Use	Impairment	0.14 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	10061 (SAV) VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	10061 (SAV) VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **10061**

VAP-C01E_TOW01A06	**Towles Creek**	NORTHUMBERLAND CO	Described in VDH-DSS Seasonal Shellfish Condemnation 014-123M1, 8/3/2004. CB5MH.

VA Overall AU Category: **5A**

Use	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	10061 (SAV) VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	10061 (SAV) VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **10061**

VAP-C01E_WHY01A98 **Whays Creek** NORTHUMBERLAND CO

Described in the condemnation notice 013-089F, 4/16/2004. Area expanded for the 2006 cycle.

CB5MH.

VA Overall AU Category: **5A**

Use	Impairment	0.14 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	10061 (SAV) VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	10061 (SAV) VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **10061**

VAP-C01E_WRH01A98	Warehouse Creek	NORTHUMBERLAND CO	Described in the condemnation notice 013-089G, 4/16/2004. Area expanded for the 2006 cycle. CB5MH.

VA Overall AU Category: **5A**

Use	Impairment	0.08 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	10061 (SAV) VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	10061 (SAV) VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **10061**

VAP-C01E_XDL01A02	**Chesapeake Bay, UT**	NORTHUMBERLAND CO	As described in condemnation notice 011-190, 2/18/2004. CB5MH. Size adjusted in 2006 cycle.

VA Overall AU Category: **5A**

Use	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	10061 (SAV) VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	15010061 (SAV) VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **10061**

VAP-C01E_XUC01A98	Unnamed Cove of Dividing Creek	NORTHUMBERLAND CO	Described in the condemnation notice 015-022C, 4/25/2003. CB5MH.

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	10061 (SAV) VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	10061 (SAV) VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: **10061**

VAP-C01E_ZZZ01A00	Unsegmented estuaries in C01	LANCASTER CO NORTHUMBERLAND CO	Unsegmented portion of the watershed. HUC 02080102. Size adjusted in 2006.

VA Overall AU Category: **5A**

Use	Impairment	2.97 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	10061 (SAV) VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10061	**2006**	**2010**	10061 (SAV) VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **01767**

VACB-R01E-04CE	**CHESAPEAKE BAY - Cape Charles BSS #11, Area A**	NORTHAMPTON CO	Va Dept of Health Shellfish condemnation #11, Opposite Cape Charles City, Area "A". HUC: 02080101

VA Overall AU Category: **5A**

Use	Impairment	0.40 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01767	**2004**	**2010**	
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01767	**2004**	**2010**	
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **01767**

VAT-C10E_DEP01A06	Deep Creek - Upper	ACCOMACK CO	East of town of Bayside. Upper portion of creek, from end of tidal waters downstream to approx. RM 1.6. Portion of CBP segment CB7PH. DSS Shellfish condemnation # 077-138 A.

VA Overall AU Category: **5A**

Use	Impairment (0.16 SQUARE MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).
	Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Non-Point Source) Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**	01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).
	Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Non-Point Source) Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **01767**

VAT-C10E_DEP02A06	Deep Creek - Lower	ACCOMACK CO	East of town of Bayside. Lower portion of creek, from RM 1.6 downstream to mouth. Portion of CBP segment CB7PH. DSS (OPEN) Shellfish condemnation # 077-138.

VA Overall AU Category: **5A**

Use	Impairment	1.10 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **01767**

VAT-C10E_ISB01A06	Island Bay	ACCOMACK CO	Between Russell Isl. & Long Ridge area. Portion of CBP segment CB7PH. No DSS shellfish direct harvesting condemnations.

VA Overall AU Category: **5A**

Use	Impairment	0.06 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Non-Point Source) Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Non-Point Source) Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **01767**

VAT-C10E_ZZZ01A06	**Unsegmented estuaries in C10E-CB7PH.**	ACCOMACK CO NORTHAMPTON CO	Evaluated non segmented portions of C10E not contained within VACB-R01E-CB7S. Portion of CBP segment CB7PH. No DSS shellfish direct harvesting condemnations.

VA Overall AU Category: **5A**

Use	Impairment (0.02 SQUARE MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).
	Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Non-Point Source) Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**	01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).
	Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Non-Point Source) Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **01767**

VAT-C11E_CED01A00	Cedar Creek	ACCOMACK CO	Entire estuarine portion of creek. North shore tributary of Onancock Creek. Portion of CBP segment CB7PH. DSS shellfish condemnation 080-013 B.

VA Overall AU Category: **5A**

Use	Impairment	0.06 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **01767**

VAT-C11E_CSX01A00	Chesconessex Creek - Upper	ACCOMACK CO	South of Chesconessex and northwest of Onancock. Portion of CBP segment CB7PH. DSS shellfish conedmnation # 079-112.

VA Overall AU Category: **5A**

Use	Impairment	0.21 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Non-Point Source) Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Non-Point Source) Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **01767**

VAT-C11E_CSX02A06	Chesconessex Creek - Lower	ACCOMACK CO	Lower portion of Chesconessex Creek, including unsegmented tidal tribs. & Back Cr., from the end DSS condemnation # 079-112 downstream to mouth (RM 0.0). Portion of CBP segment CB7PH. No DSS shellfish direct harvesting condemnation.

VA Overall AU Category: **5A**

Use	Impairment	3.11 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **01767**

VAT-C11E_FNN01A00	Finneys Creek - Upper	ACCOMACK CO	East of Bailey Neck area. South shore tributary of Onancock Creek. Portion of CBP segment CB7PH. DSS shellfish condemnation # 080-013 A.

VA Overall AU Category: **5A**

Use	Impairment	0.05 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Non-Point Source) Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Non-Point Source) Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **01767**

VAT-C11E_FNN02A00	Finneys Creek - Lower	ACCOMACK CO	East of Bailey Neck area. South shore tributary of Onancock Creek. Lower portion of creek, from the end of DSS condemnation # # 080-013 A downstream to mouth. Portion of CBP segment CB7PH. No DSS shellfish direct harvesting condemnation.

VA Overall AU Category: **5A**

Use	Impairment	0.08 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**	01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **01767**

VAT-C11E_LTH01A00	Leatherberry Creek	ACCOMACK CO	Entire estuarine portion of creek. South shore tributary of Onancock Creek. Portion of CBP segment CB7PH. Portion of DSS shellfish condemnation # 081-013C.

VA Overall AU Category: **5A**

Use	Impairment	0.08 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **01767**

VAT-C11E_MTC01A06	Matchotank Creek - Upper	ACCOMACK CO	South of Broadway Neck area. Portion of CBP segment CB7PH. DSS shellfish conedmnation # 080-169 (Effective 2004-01-13).

VA Overall AU Category: **5A**

Use	Impairment	0.09 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Non-Point Source)
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Non-Point Source)
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **01767**

VAT-C11E_MTC02A06	Matchotank Creek - Lower	ACCOMACK CO	Lower portion of Matchotank Creek, including unsegmented tidal tribs., from the end DSS condemnation # 080-169 downstream to mouth. Portion of CBP segment CB7PH. No DSS shellfish direct harvesting condemnation.

VA Overall AU Category: **5A**

Use	Impairment (0.12 SQUARE MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**	01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **01767**

VAT-C11E_OCB01A00	Central Branch, Onancock Creek	ACCOMACK CO	Located near Town of Onancock. Entire Central Branch, Onancock Creek. Portion of CBP segment CB7PH. Portion of DSS shellfish condemnation 081-013C.

VA Overall AU Category: **5A**

Use	Impairment (0.02 SQUARE MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).
	Sources: Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Non-Point Source) Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)				
Open-Water Aquatic Life	**Oxygen, Dissolved**	01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).
	Sources: Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Non-Point Source) Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)				

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **01767**

VAT-C11E_OCN01A04 **Onancock Creek - Upper** ACCOMACK CO

Located near Town of Onancock.From junction of North, Central and South Branches downstream to end of DSS condemnation (RM 3.6) midway between Leatherberry and Cedar Creeks. Portion of CBP segment CB7PH. Portion of DSS shellfish condemnation 081-013C.

VA Overall AU Category: **5A**

Use	Impairment	0.23 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **01767**

VAT-C11E_OCN02A04	Onancock Creek Mainstem - Lower	ACCOMACK CO	Located near Town of Onancock. From midway between Leatherberry and Cedar Creeks downstream to mouth. Portion of CBP segment CB7PH. OPEN DSS shellfish direct harvesting condemnation # 080-013.

VA Overall AU Category: **5A**

Use	Impairment (1.92 SQUARE MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).
	Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Non-Point Source) Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**	01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).
	Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Non-Point Source) Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **01767**

VAT-C11E_ONB01A02	North Branch, Onancock Creek	ACCOMACK CO	Located near Town of Onancock. Entire North Branch, Onancock Creek. Portion of CBP segment CB7PH. DSS (ADMINISTRATIVE) shellfish direct harvesting condemnation 081-013 D.

VA Overall AU Category: **5A**

Use	Impairment (0.02 SQUARE MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).
	Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Non-Point Source) Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**	01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).
	Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Non-Point Source) Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **01767**

VAT-C11E_OSB01A02	South Branch, Onancock Creek	ACCOMACK CO	Located near Town of Onancock. Entire South Branch, Onancock Creek. Portion of CBP segment CB7PH. Portion of DSS shellfish condemnation 081-013C.

VA Overall AU Category: **5A**

Use	Impairment (0.06 SQUARE MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).
	Sources: Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Non-Point Source) Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)				
Open-Water Aquatic Life	**Oxygen, Dissolved**	01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).
	Sources: Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Non-Point Source) Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)				

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **01767**

VAT-C11E_PRK01A06	Parkers Creek	ACCOMACK CO	South shore tributary of Onancock Creek at Finneys Neck. Area around marina at mouth of Parkers Creek. Portion of CBP segment CB7PH. DSS shellfish seasonal condemnation # 080-013 M1.

VA Overall AU Category: **5A**

Use	Impairment (0.22 SQUARE MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).
	Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Non-Point Source) Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**	01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).
	Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Non-Point Source) Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **01767**

VAT-C11E_TAR01A06	Tarkill Creek	ACCOMACK CO	Located in Sluitkill Neck area. Portion of CBP segment CB7PH. No DSS shellfish direct harvesting condemnation.

VA Overall AU Category: **5A**

Use	Impairment	0.19 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Non-Point Source) Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Non-Point Source) Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **01767**

VAT-C11E_ZZZ01A00	Unsegmented estuaries in C11E.	ACCOMACK CO NORTHAMPTON CO	Evaluated non segmented portions of C11E not contained within VACB-R01E-CB7S. Portion of CBP segment CB7PH. No DSS shellfish direct harvesting condemnations.

VA Overall AU Category: **5A**

Use	Impairment (0.24 SQUARE MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).
	Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Non-Point Source) Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**	01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).
	Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Non-Point Source) Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **01767**

VAT-C12E_PUN01A06	Pungoteague Creek - Upper	ACCOMACK CO	Located west of Town of Melfa. Upper portion of Pungoteague Cr. from headwaters to confluence with Taylor Creek (RM 2.4), and lower portion of Warehouse Prong. Portion of CBP segment CB7PH. Portion of DSS shellfish condemnation # 081-119 B.

VA Overall AU Category: **5A**

Use	Impairment	0.29 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **01767**

VAT-C12E_PUN02A06	Pungoteague Creek - Lower	ACCOMACK CO	Located west of Town of Melfa. Lower portion of Pungoteague Cr. from confluence with Taylor Creek (RM 2.4) downstream to mouth. Portion of CBP segment CB7PH. OPEN DSS shellfish direct harvesting condemnation # 081-119.

VA Overall AU Category: **5A**

Use	Impairment	1.35 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **01767**

VAT-C12E_TAY01A06	Taylor Creek	ACCOMACK CO	Located southwest of Harborton. From headwaters to confluence with Pungoteague Cr. Portion of CBP segment CB7PH. Portion of DSS shellfish condemnation # 081-119 C.

VA Overall AU Category: **5A**

Use	Impairment (0.16 SQUARE MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).
	Sources: Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Non-Point Source) Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)				
Open-Water Aquatic Life	**Oxygen, Dissolved**	01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).
	Sources: Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Non-Point Source) Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)				

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **01767**

VAT-C12E_UNR01A06	Underhill Creek	ACCOMACK CO	In area of Mount Nebo. North shore tributary to Pungoteague Cr. Portion of CBP segment CB7PH. DSS shellfish condemnation # 081-119 A. Effective 2004-10-13.

VA Overall AU Category: **5A**

Use	Impairment (0.09 SQUARE MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).
	Sources: Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Non-Point Source) Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)				
Open-Water Aquatic Life	**Oxygen, Dissolved**	01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).
	Sources: Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Non-Point Source) Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)				

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **01767**

VAT-C12E_WRP01A06	Warehouse Prong - Upper	ACCOMACK CO	Located north of Bobtown and east of Boggs Wharf. Upper portion, from headwaters to confluence with UT. Portion of CBP segment CB7PH. DSS (ADMINISTRATIVE) shellfish condemnation # 081-119D.

VA Overall AU Category: **5A**

Use	Impairment (0.04 SQUARE MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).
	Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Non-Point Source) Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**	01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).
	Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Non-Point Source) Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **01767**

VAT-C12E_WRP02A06	Warehouse Prong - Lower	ACCOMACK CO	Located north of Bobtown and east of Boggs Wharf. Lower portion, from confluence with UT downstream to confluence with Pungoteague Cr. Portion of CBP segment CB7PH. Portion of DSS shellfish condemnation # 081-119 B.

VA Overall AU Category: **5A**

Use	Impairment	0.05 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **01767**

VAT-C12E_ZZZ01A00	**Unsegmented estuaries in C12E.**	ACCOMACK CO NORTHAMPTON CO	Evaluated non segmented portions of C12E not contained within VACB-R01E-CB7S. Portion of CBP segment CB7PH. No DSS shellfish direct harvesting condemnations.

VA Overall AU Category: **5A**

Use	Impairment (0.00 SQUARE MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).
	Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Non-Point Source) Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**	01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).
	Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Non-Point Source) Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **01767**

VAT-C13E_CHC01A00	Church Creek - Upper	NORTHAMPTON CO	In area of Elliotts Neck.Tributary to Nassawadox Creek. Portion of CBP segment CB7PH. DSS shellfish condemnation # 085-185.

VA Overall AU Category: **5A**

Use	Impairment	0.09 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Non-Point Source)
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Non-Point Source)
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **01767**

VAT-C13E_CRA01A06	Craddock Creek - Upper	ACCOMACK CO	North of Scarborough Neck area. Portion of CBP segment CB7PH. DSS shellfish cendemnation # 083-195.

VA Overall AU Category: **5A**

Use	Impairment	0.08 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Non-Point Source) Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Non-Point Source) Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **01767**

VAT-C13E_HGC01A06	Holly Grove Cove	NORTHAMPTON CO	Located near Wellington Neck. From end of tidal waters downstream to confluence with Nassawadox Cr. Portion of CBP segment CB7PH. DSS shellfish condemnation # 085-110C.

VA Overall AU Category: **5A**

Use	Impairment (0.14 SQUARE MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).
	Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Non-Point Source) Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**	01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).
	Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Non-Point Source) Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **01767**

VAT-C13E_KLL01A06	Kelley Cove	NORTHAMPTON CO	In Occohonnock Neck near James Wharf, trib. to upper Nassawadox Cr. Portion of CBP segment CB7PH. DSS shellfish condemnation # 085-110 A.

VA Overall AU Category: **5A**

Use	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **01767**

VAT-C13E_NAN01A00	Nandua Creek - Upper	ACCOMACK CO	Southeast of Hacks Neck area. The two most upstream branches of Nandua Creek and mainstem downstream to area of Nandua (approx. RM 4.5). Includes Kusian Cove. Portion of CBP segment CB7PH. DSS condemnation # 082-160 A.

VA Overall AU Category: **5A**

Use	Impairment	0.15 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **01767**

VAT-C13E_NAN02A06	Nandua Creek - Lower	ACCOMACK CO	Lower portion of Nandua Creek including unsegmented tidal tribs., from the confluence of Kusian Cove downstream to mouth (RM 0.0). Portion of CBP segment CB7PH. No DSS shellfish direct harvesting condemnation.

VA Overall AU Category: **5A**

Use	Impairment	3.83 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **01767**

VAT-C13E_NAN03A00	Nandua Creek - McLean Gut	ACCOMACK CO	Southwest of Fairview Neck area. Shouth shore tributary of middle Nandua Cr. Portion of CBP segment CB7PH. DSS shellfish condemnation # 082-160 C.

VA Overall AU Category: **5A**

Use	Impairment (0.05 SQUARE MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**	01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **01767**

VAT-C13E_NSS01A06	Nassawadox Creek - Upper	NORTHAMPTON CO	From end of tidal waters downstream to approx. 0.25 mi upstream of confluence with Kelly Cove (RM 5.2). Portion of CBP segment CB7PH. DSS condemnation # 085-110 B.

VA Overall AU Category: **5A**

Use	Impairment (0.15 SQUARE MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**	01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **01767**

VAT-C13E_NSS02A06	Nassawadox Creek - Lower	NORTHAMPTON CO	From approx. 0.25 mi upstream of confluence with Kelly Cove (RM 5.2) downstream to mouth. Portion of CBP segment CB7PH. No DSS shellfish direct harvesting condemnation.

VA Overall AU Category: **5A**

Use	Impairment (3.83 SQUARE MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).
	Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Non-Point Source) Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**	01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).
	Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Non-Point Source) Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **01767**

VAT-C13E_OCH01A06	Occohannock Creek - Upper	ACCOMACK CO NORTHAMPTON CO	Upper portion of Occohannock Creek and tidal tribs., from end of tidal waters downstream to the confluence of Wescott Cove (RM 5.3). Portion of CBP segment CB7PH. DSS condemnation # 084-043A.

VA Overall AU Category: **5A**

Use	Impairment	0.51 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Non-Point Source) Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Non-Point Source) Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **01767**

VAT-C13E_OCH02A06	Occohannock Creek - Lower	ACCOMACK CO NORTHAMPTON CO	Lower portion of Occohannock Creek including tidal tribs., from the confluence of Wescott Cove (RM 5.3) downstream to mouth (RM 0.0). Portion of CBP segment CB7PH. No DSS shellfish direct harvesting condemnation.

VA Overall AU Category: **5A**

Use	Impairment	2.84 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**	01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **01767**

VAT-C13E_WHC01A06	Warehouse Creek - Upper	NORTHAMPTON CO	Southeast fork of upper portion of creek. Portion of CBP segment CB7PH. DSS ADMINISTRATIVE condemnation # 085-110 E (VPDES outfall condemnation for Shore Mem. Hospital STP VA0027537).

VA Overall AU Category: **5A**

Use	Impairment (0.03 SQUARE MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**	01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **01767**

VAT-C13E_WHC02A06	Warehouse Creek - Middle	NORTHAMPTON CO	Including northern fork and continuing downstream to bend near Wellington Neck. Portion of CBP segment CB7PH. DSS shellfish condemnation # 085-110 D.

VA Overall AU Category: **5A**

Use	Impairment	0.15 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **01767**

VAT-C13E_WHC03A06	Warehouse Creek - Lower	NORTHAMPTON CO	From bend near Wellington Neck downstream to mouth (confluence with Nassawadox Creek). Portion of CBP segment CB7PH. No DSS shellfish direct harvesting condemnation.

VA Overall AU Category: **5A**

Use	Impairment (0.20 SQUARE MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**	01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **01767**

VAT-C13E_ZZZ01A00	Unsegmented estuaries in C13E.	ACCOMACK CO NORTHAMPTON CO	Evaluated non segmented portions of C13E. Portion of CBP segment CB7PH. No DSS shellfish condemnations.

VA Overall AU Category: **5A**

Use	Impairment	2.28 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Non-Point Source) Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Non-Point Source) Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **01767**

VAT-C14E_BRL01A06	Barlow Creek - Upper	NORTHAMPTON CO	In area of Old Town Neck. Portion of CBP segment CB7PH. DSS shellfish condemnation # 086-136D.

VA Overall AU Category: **5A**

Use	Impairment	0.04 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Non-Point Source) Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Non-Point Source) Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **01767**

VAT-C14E_HUG01A00	Hungars Creek - Upper	NORTHAMPTON CO	Upper portion of Hungars Creek from end tidal waters downstream to Waterford Point (RM 1.8) @ confluence with Jacobus Cr. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 086-136 A.

VA Overall AU Category: **5A**

Use	Impairment	0.22 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO). Site specific DO excursion below the previous minimum criteria (listed impaired in the 2004 IR as TMDL ID: VAT-C14E-01). The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**	01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **01767**

VAT-C14E_HUG02A00	Hungars Creek - Lower	NORTHAMPTON CO	Lower portion of Hungars Creek from Waterford Point (RM 1.8) @ confluence with Jacobus Cr. downstream to mouth. Portion of CBP segment CB7PH. No DSS shellfish direct harvesting condemnation .

VA Overall AU Category: **5A**

Use	Impairment (1.19 SQUARE MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).
	Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Non-Point Source) Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**	01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).
	Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Non-Point Source) Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **01767**

VAT-C14E_JAC01A06	Jacobus Creek - Upper South Fork	NORTHAMPTON CO	West of Johnsontown. Trib to Hungars Cr. Uppermost portion of south branch. Portion of CBP segment CB7PH. DSS Administrative Prohibition # 086-136 E - STP VA0023817 Outfall.

VA Overall AU Category: **5A**

Use	Impairment (0.03 SQUARE MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).
	Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Non-Point Source) Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**	01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).
	Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Non-Point Source) Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **01767**

VAT-C14E_JAC02A06	Jacobus Creek - Middle and Forks	NORTHAMPTON CO	West of Johnsontown. Trib to Hungars Cr. Middle mainstem, north fork and lower portion of south fork. Portion of CBP segment CB7PH. DSS direct shellfish harvesting condemnation # 086-136 B.

VA Overall AU Category: **5A**

Use	Impairment (0.29 SQUARE MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**	01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **01767**

VAT-C14E_JAC03A06	Jacobus Creek - Lower	NORTHAMPTON CO	West of Johnsontown. Trib to Hungars Cr. Lower mainstem portion. Portion of CBP segment CB7PH. No DSS direct shellfish harvesting condemnation.

VA Overall AU Category: **5A**

Use	Impairment	1.00 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Non-Point Source)
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Non-Point Source)
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **01767**

VAT-C14E_MAT01A06	Mattawoman Creek - Upper	NORTHAMPTON CO	South of Wilsonia Neck. Portion of CBP segment CB7PH. DSS shellfish condemnation # 086-136 C.

VA Overall AU Category: **5A**

Use	Impairment	0.22 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Use	Impairment	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Open-Water Aquatic Life	**Oxygen, Dissolved**	01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **01767**

VAT-C14E_THG01A06	The Gulf - Upper	NORTHAMPTON CO	From end of tidal waters downstream to narrowing 0.45 mi. from mouth. Portion of CBP segment CB7PH. DSS shellfish condemnation # 087-174.

VA Overall AU Category: **5A**

Use	Impairment	0.17 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **01767**

VAT-C14E_THG02A06	The Gulf - Lower	NORTHAMPTON CO	From narrowing (end of upstream DSS condemnation) downstream to mouth. Portion of CBP segment CB7PH. No DSS direct shellfish harvesting condemnation.

VA Overall AU Category: **5A**

Use	Impairment (0.13 SQUARE MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**	01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **01767**

VAT-C14E_WHS01A06	Westerhouse Creek - North Branch (Part A)	NORTHAMPTON CO	In Church Neck area, west of Bridgetown. Portion of CBP segment CB7PH. DSS shellfish condemnation # 085-199 A.

VA Overall AU Category: **5A**

Use	Impairment	0.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Non-Point Source) Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Non-Point Source) Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **01767**

VAT-C14E_WHS02A06	Westerhouse Creek - South Branch (Part B)	NORTHAMPTON CO	In Church Neck area, west of Bridgetown. Portion of CBP segment CB7PH. DSS shellfish condemnation # 085-199 B.

VA Overall AU Category: **5A**

Use	Impairment	0.05 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Non-Point Source)
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Non-Point Source)
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **01767**

VAT-C14E_WHS03A06	Westerhouse Creek - Lower	NORTHAMPTON CO	In Church Neck area, west of Bridgetown. Portion of CBP segment CB7PH. No DSS shellfish direct harvesting condemnation.

VA Overall AU Category: **5A**

Use	Impairment	0.18 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Non-Point Source) Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Non-Point Source) Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **01767**

VAT-C14E_ZZZ01A00	**Unsegmented estuaries in C14E.**	NORTHAMPTON CO	Evaluated non segmented portions of C14E. Portion of CBP segment CB7PH. No DSS shellfish condemnations.

VA Overall AU Category: **5A**

Use	Impairment	3.49 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Non-Point Source)
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Non-Point Source)
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **01767**

VAT-C15E_CCB01A06	Cape Charles Beach	NORTHAMPTON CO	Located west of Town of Cape Charles, along Chesapeake Bay. Portion of CBP segment CB7PH. No DSS condemnation.

VA Overall AU Category: **5A**

Use	Impairment	0.05 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **01767**

VAT-C15E_CRS01A06	Cherrystone Inlet - Upper	NORTHAMPTON CO	Upper northern branch 1/5 of Inlet, from Eyreville Neck downstream to confluence with Chesapeake Bay. Including Old Castle Cr. Portion of CBP segment CB7PH. DSS condemnation # 088-139A.

VA Overall AU Category: **5A**

Use	Impairment	0.30 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **01767**

VAT-C15E_CRS02A06	Cherrystone Inlet - Lower	NORTHAMPTON CO	Lower 4/5 of Inlet, from Eyreville Neck downstream to confluence with Chesapeake Bay. Portion of CBP segment CB7PH. No DSS direct harvesting shellfish condemnation .

VA Overall AU Category: **5A**

Use	Impairment	2.16 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **01767**

VAT-C15E_KNS01A00	Kings Creek - Upper Forks	NORTHAMPTON CO	From end of tidal waters downstream to confluence of the two most upstream forks. Portion of CBP segment CB7PH. DSS condemnation # 088-139B.

VA Overall AU Category: **5A**

Use	Impairment (0.07 SQUARE MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).
	Sources: Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Non-Point Source) Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)				
Open-Water Aquatic Life	**Oxygen, Dissolved**	01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).
	Sources: Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Non-Point Source) Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)				

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **01767**

VAT-C15E_KNS02A00	Kings Creek - Lower	NORTHAMPTON CO	From confluence of the two most upstream forks downstream to mouth. Portion of CBP segment CB7PH. No DSS shellfish condemnation.

VA Overall AU Category: **5A**

Use	Impairment	0.27 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **01767**

VAT-C16E_CCH01A04 **Cape Charles Harbor - Upper** NORTHAMPTON CO

From most upstream end of harbor downstream to 1/2 distance to mouth (RM 0.23). Portion of CBP segment CB7PH. DSS ADMINISTRATIVE condemnation # 089-011A (VPDES outfall condemnation for Cape Charles STP VA0021288).

VA Overall AU Category: **5A**

Use	Impairment	0.06 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Non-Point Source)
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Non-Point Source)
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **01767**

VAT-C16E_CCH02A00	Cape Charles Harbor - Lower	NORTHAMPTON CO	From 1/2 distance to mouth (RM 0.23) downstream to confluence with the Chesapeake Bay (RM 0.0). Portion of CBP segment CB7PH. Portion of DSS ADMINISTRATIVE condemnation # 089-011B (VPDES outfall condemnation for Cape Charles STP VA0021288).

VA Overall AU Category: **5A**

Use	Impairment	0.05 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Non-Point Source)
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Non-Point Source)
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **01767**

VAT-C16E_KPT01A06	Kiptopeke Beach	NORTHAMPTON CO	Located west of Cedar Grove, along Chesapeake Bay, near southern tip of Eastern Shore. Portion of CBP segment CB7PH. No DSS condemnations.

VA Overall AU Category: **5A**

Use	Impairment	0.44 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **01767**

VAT-C16E_OPC01A06	Old Plantation Creek - Upper	NORTHAMPTON CO	From end of tidal waters downstream to narrows at approx. RM 2.0. Portion of CBP segment CB7PH. DSS shellfish condemnation # 090-152.

VA Overall AU Category: **5A**

Use	Impairment (0.11 SQUARE MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**	01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **01767**

VAT-C16E_OPC02A00	Old Plantation Creek - Lower	NORTHAMPTON CO	From narrows at RM 2.0 downstream to mouth. Portion of CBP segment CB7PH. No DSS shellfish condemnation.

VA Overall AU Category: **5A**

Use	Impairment	1.00 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Non-Point Source) Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Non-Point Source) Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **01767**

VAT-C16E_ZZZ01A00	Unsegmented estuaries in C16E	NORTHAMPTON CO	Evaluated non-segmented estuarine portions of C16. Portion of CBP segment CB7PH. No DSS condemnations.

VA Overall AU Category: **5A**

Use	Impairment	0.80 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01767	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **76092**

VAT-C10E_DEP01A06	Deep Creek - Upper	ACCOMACK CO	East of town of Bayside. Upper portion of creek, from end of tidal waters downstream to approx. RM 1.6. Portion of CBP segment CB7PH. DSS Shellfish condemnation # 077-138 A.

VA Overall AU Category: **5A**

Use	Impairment	0.16 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **76092**

VAT-C10E_DEP02A06	Deep Creek - Lower	ACCOMACK CO	East of town of Bayside. Lower portion of creek, from RM 1.6 downstream to mouth. Portion of CBP segment CB7PH. DSS (OPEN) Shellfish condemnation # 077-138.

VA Overall AU Category: **5A**

Use	Impairment	1.10 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **76092**

VAT-C10E_ISB01A06	Island Bay	ACCOMACK CO	Between Russell Isl. & Long Ridge area. Portion of CBP segment CB7PH. No DSS shellfish direct harvesting condemnations.

VA Overall AU Category: **5A**

Use	Impairment	0.06 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **76092**

VAT-C11E_CED01A00	Cedar Creek	ACCOMACK CO	Entire estuarine portion of creek. North shore tributary of Onancock Creek. Portion of CBP segment CB7PH. DSS shellfish condemnation 080-013 B.

VA Overall AU Category: **5A**

Use	Impairment	0.06 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **76092**

VAT-C11E_CSX01A00	Chesconessex Creek - Upper	ACCOMACK CO	South of Chesconessex and northwest of Onancock. Portion of CBP segment CB7PH. DSS shellfish conedmnation # 079-112.

VA Overall AU Category: **5A**

Use	Impairment	0.21 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **76092**

VAT-C11E_CSX02A06	Chesconessex Creek - Lower	ACCOMACK CO	Lower portion of Chesconessex Creek, including unsegmented tidal tribs. & Back Cr., from the end DSS condemnation # 079-112 downstream to mouth (RM 0.0). Portion of CBP segment CB7PH. No DSS shellfish direct harvesting condemnation.

VA Overall AU Category: **5A**

Use	Impairment	3.11 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **76092**

VAT-C11E_FNN01A00	Finneys Creek - Upper	ACCOMACK CO	East of Bailey Neck area. South shore tributary of Onancock Creek. Portion of CBP segment CB7PH. DSS shellfish condemnation # 080-013 A.

VA Overall AU Category: **5A**

Use	Impairment	0.05 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **76092**

VAT-C11E_FNN02A00	Finneys Creek - Lower	ACCOMACK CO	East of Bailey Neck area. South shore tributary of Onancock Creek. Lower portion of creek, from the end of DSS condemnation # # 080-013 A downstream to mouth. Portion of CBP segment CB7PH. No DSS shellfish direct harvesting condemnation.

VA Overall AU Category: **5A**

Use	Impairment	0.08 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **76092**

VAT-C11E_LTH01A00	Leatherberry Creek	ACCOMACK CO	Entire estuarine portion of creek. South shore tributary of Onancock Creek. Portion of CBP segment CB7PH. Portion of DSS shellfish condemnation # 081-013C.

VA Overall AU Category: **5A**

Use	Impairment	0.08 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **76092**

VAT-C11E_MTC01A06	Matchotank Creek - Upper	ACCOMACK CO	South of Broadway Neck area. Portion of CBP segment CB7PH. DSS shellfish conedmnation # 080-169 (Effective 2004-01-13).

VA Overall AU Category: **5A**

Use	Impairment	0.09 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **76092**

VAT-C11E_MTC02A06	Matchotank Creek - Lower	ACCOMACK CO	Lower portion of Matchotank Creek, including unsegmented tidal tribs., from the end DSS condemnation # 080-169 downstream to mouth. Portion of CBP segment CB7PH. No DSS shellfish direct harvesting condemnation.

VA Overall AU Category: **5A**

Use	Impairment	0.12 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **76092**

VAT-C11E_OCB01A00	Central Branch, Onancock Creek	ACCOMACK CO	Located near Town of Onancock. Entire Central Branch, Onancock Creek. Portion of CBP segment CB7PH. Portion of DSS shellfish condemnation 081-013C.

VA Overall AU Category: **5A**

Use	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **76092**

VAT-C11E_OCN01A04	Onancock Creek - Upper	ACCOMACK CO	Located near Town of Onancock.From junction of North, Central and South Branches downstream to end of DSS condemnation (RM 3.6) midway between Leatherberry and Cedar Creeks. Portion of CBP segment CB7PH. Portion of DSS shellfish condemnation 081-013C.

VA Overall AU Category: **5A**

Use	Impairment	0.23 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**	76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **76092**

VAT-C11E_OCN02A04	Onancock Creek Mainstem - Lower	ACCOMACK CO	Located near Town of Onancock. From midway between Leatherberry and Cedar Creeks downstream to mouth. Portion of CBP segment CB7PH. OPEN DSS shellfish direct harvesting condemnation # 080-013.

VA Overall AU Category: **5A**

Use	Impairment	1.92 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **76092**

VAT-C11E_ONB01A02	North Branch, Onancock Creek	ACCOMACK CO	Located near Town of Onancock. Entire North Branch, Onancock Creek. Portion of CBP segment CB7PH. DSS (ADMINISTRATIVE) shellfish direct harvesting condemnation 081-013 D.

VA Overall AU Category: **5A**

Use	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **76092**

VAT-C11E_OSB01A02	South Branch, Onancock Creek	ACCOMACK CO	Located near Town of Onancock. Entire South Branch, Onancock Creek. Portion of CBP segment CB7PH. Portion of DSS shellfish condemnation 081-013C.

VA Overall AU Category: **5A**

Use	Impairment	0.06 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **76092**

VAT-C11E_PRK01A06	Parkers Creek	ACCOMACK CO	South shore tributary of Onancock Creek at Finneys Neck. Area around marina at mouth of Parkers Creek. Portion of CBP segment CB7PH. DSS shellfish seasonal condemnation # 080-013 M1.

VA Overall AU Category: **5A**

Use	Impairment	0.22 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **76092**

VAT-C11E_TAR01A06	Tarkill Creek	ACCOMACK CO	Located in Sluitkill Neck area. Portion of CBP segment CB7PH. No DSS shellfish direct harvesting condemnation.

VA Overall AU Category: **5A**

Use	Impairment	0.19 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **76092**

VAT-C11E_ZZZ01A00	Unsegmented estuaries in C11E.	ACCOMACK CO NORTHAMPTON CO	Evaluated non segmented portions of C11E not contained within VACB-R01E-CB7S. Portion of CBP segment CB7PH. No DSS shellfish direct harvesting condemnations.

VA Overall AU Category: **5A**

Use	Impairment	0.24 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **76092**

VAT-C12E_PUN01A06	Pungoteague Creek - Upper	ACCOMACK CO	Located west of Town of Melfa. Upper portion of Pungoteague Cr. from headwaters to confluence with Taylor Creek (RM 2.4), and lower portion of Warehouse Prong. Portion of CBP segment CB7PH. Portion of DSS shellfish condemnation # 081-119 B.

VA Overall AU Category: **5A**

Use	Impairment	0.29 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**	76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **76092**

VAT-C12E_PUN02A06	Pungoteague Creek - Lower	ACCOMACK CO	Located west of Town of Melfa. Lower portion of Pungoteague Cr. from confluence with Taylor Creek (RM 2.4) downstream to mouth. Portion of CBP segment CB7PH. OPEN DSS shellfish direct harvesting condemnation # 081-119.

VA Overall AU Category: **5A**

Use	Impairment	1.35 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **76092**

VAT-C12E_TAY01A06	Taylor Creek	ACCOMACK CO	Located southwest of Harborton. From headwaters to confluence with Pungoteague Cr. Portion of CBP segment CB7PH. Portion of DSS shellfish condemnation # 081-119 C.

VA Overall AU Category: **5A**

Use	Impairment	0.16 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **76092**

VAT-C12E_UNR01A06	Underhill Creek	ACCOMACK CO	In area of Mount Nebo. North shore tributary to Pungoteague Cr. Portion of CBP segment CB7PH. DSS shellfish condemnation # 081-119 A. Effective 2004-10-13.

VA Overall AU Category: **5A**

Use	Impairment	0.09 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **76092**

VAT-C12E_WRP01A06	Warehouse Prong - Upper	ACCOMACK CO	Located north of Bobtown and east of Boggs Wharf. Upper portion, from headwaters to confluence with UT. Portion of CBP segment CB7PH. DSS (ADMINISTRATIVE) shellfish condemnation # 081-119D.

VA Overall AU Category: **5A**

Use	Impairment (0.04 SQUARE MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**	76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**	76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **76092**

VAT-C12E_WRP02A06	**Warehouse Prong - Lower**	ACCOMACK CO	Located north of Bobtown and east of Boggs Wharf. Lower portion, from confluence with UT downstream to confluence with Pungoteague Cr. Portion of CBP segment CB7PH. Portion of DSS shellfish condemnation # 081-119 B.

VA Overall AU Category: **5A**

Use	Impairment	0.05 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **76092**

VAT-C12E_ZZZ01A00	**Unsegmented estuaries in C12E.**	ACCOMACK CO NORTHAMPTON CO	Evaluated non segmented portions of C12E not contained within VACB-R01E-CB7S. Portion of CBP segment CB7PH. No DSS shellfish direct harvesting condemnations.

VA Overall AU Category: **5A**

Use	Impairment	0.00 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **76092**

VAT-C13E_CHC01A00	Church Creek - Upper	NORTHAMPTON CO	In area of Elliotts Neck.Tributary to Nassawadox Creek. Portion of CBP segment CB7PH. DSS shellfish condemnation # 085-185.

VA Overall AU Category: **5A**

Use	Impairment	0.09 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **76092**

VAT-C13E_CRA01A06	Craddock Creek - Upper	ACCOMACK CO	North of Scarborough Neck area. Portion of CBP segment CB7PH. DSS shellfish cendemnation # 083-195.

VA Overall AU Category: **5A**

Use	Impairment	0.08 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **76092**

VAT-C13E_HGC01A06	Holly Grove Cove	NORTHAMPTON CO	Located near Wellington Neck. From end of tidal waters downstream to confluence with Nassawadox Cr. Portion of CBP segment CB7PH. DSS shellfish condemnation # 085-110C.

VA Overall AU Category: **5A**

Use	Impairment (0.14 SQUARE MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**	76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**	76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **76092**

VAT-C13E_KLL01A06	Kelley Cove	NORTHAMPTON CO	In Occohonnock Neck near James Wharf, trib. to upper Nassawadox Cr. Portion of CBP segment CB7PH. DSS shellfish condemnation # 085-110 A.

VA Overall AU Category: **5A**

Use	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **76092**

VAT-C13E_NAN01A00	Nandua Creek - Upper	ACCOMACK CO	Southeast of Hacks Neck area. The two most upstream branches of Nandua Creek and mainstem downstream to area of Nandua (approx. RM 4.5). Includes Kusian Cove. Portion of CBP segment CB7PH. DSS condemnation # 082-160 A.

VA Overall AU Category: **5A**

Use	Impairment	0.15 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **76092**

VAT-C13E_NAN02A06	Nandua Creek - Lower	ACCOMACK CO	Lower portion of Nandua Creek including unsegmented tidal tribs., from the confluence of Kusian Cove downstream to mouth (RM 0.0). Portion of CBP segment CB7PH. No DSS shellfish direct harvesting condemnation.

VA Overall AU Category: **5A**

Use	Impairment	3.83 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **76092**

VAT-C13E_NAN03A00	Nandua Creek - McLean Gut	ACCOMACK CO	Southwest of Fairview Neck area. Shouth shore tributary of middle Nandua Cr. Portion of CBP segment CB7PH. DSS shellfish condemnation # 082-160 C.

VA Overall AU Category: **5A**

Use	Impairment	0.05 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **76092**

VAT-C13E_NSS01A06	Nassawadox Creek - Upper	NORTHAMPTON CO	From end of tidal waters downstream to approx. 0.25 mi upstream of confluence with Kelly Cove (RM 5.2). Portion of CBP segment CB7PH. DSS condemnation # 085-110 B.

VA Overall AU Category: **5A**

Use	Impairment	0.15 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **76092**

VAT-C13E_NSS02A06	Nassawadox Creek - Lower	NORTHAMPTON CO	From approx. 0.25 mi upstream of confluence with Kelly Cove (RM 5.2) downstream to mouth. Portion of CBP segment CB7PH. No DSS shellfish direct harvesting condemnation.

VA Overall AU Category: **5A**

Use	Impairment	3.83 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **76092**

VAT-C13E_OCH01A06	Occohannock Creek - Upper	ACCOMACK CO NORTHAMPTON CO	Upper portion of Occohannock Creek and tidal tribs., from end of tidal waters downstream to the confluence of Wescott Cove (RM 5.3). Portion of CBP segment CB7PH. DSS condemnation # 084-043A.

VA Overall AU Category: **5A**

Use	Impairment	0.51 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **76092**

VAT-C13E_OCH02A06	Occohannock Creek - Lower	ACCOMACK CO NORTHAMPTON CO	Lower portion of Occohannock Creek including tidal tribs., from the confluence of Wescott Cove (RM 5.3) downstream to mouth (RM 0.0). Portion of CBP segment CB7PH. No DSS shellfish direct harvesting condemnation.

VA Overall AU Category: **5A**

Use	Impairment	2.84 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **76092**

VAT-C13E_WHC01A06	Warehouse Creek - Upper	NORTHAMPTON CO	Southeast fork of upper portion of creek. Portion of CBP segment CB7PH. DSS ADMINISTRATIVE condemnation # 085-110 E (VPDES outfall condemnation for Shore Mem. Hospital STP VA0027537).

VA Overall AU Category: **5A**

Use	Impairment (0.03 SQUARE MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**	76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**	76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **76092**

VAT-C13E_WHC02A06	Warehouse Creek - Middle	NORTHAMPTON CO	Including northern fork and continuing downstream to bend near Wellington Neck. Portion of CBP segment CB7PH. DSS shellfish condemnation # 085-110 D.

VA Overall AU Category: **5A**

Use	Impairment	0.15 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **76092**

VAT-C13E_WHC03A06	Warehouse Creek - Lower	NORTHAMPTON CO	From bend near Wellington Neck downstream to mouth (confluence with Nassawadox Creek). Portion of CBP segment CB7PH. No DSS shellfish direct harvesting condemnation.

VA Overall AU Category: **5A**

Use	Impairment	0.20 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **76092**

VAT-C13E_ZZZ01A00	**Unsegmented estuaries in C13E.**	ACCOMACK CO NORTHAMPTON CO	Evaluated non segmented portions of C13E. Portion of CBP segment CB7PH. No DSS shellfish condemnations.

VA Overall AU Category: **5A**

Use	Impairment	2.28 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **76092**

VAT-C14E_BRL01A06	Barlow Creek - Upper	NORTHAMPTON CO	In area of Old Town Neck. Portion of CBP segment CB7PH. DSS shellfish condemnation # 086-136D.

VA Overall AU Category: **5A**

Use	Impairment	0.04 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **76092**

VAT-C14E_HUG01A00	Hungars Creek - Upper	NORTHAMPTON CO	Upper portion of Hungars Creek from end tidal waters downstream to Waterford Point (RM 1.8) @ confluence with Jacobus Cr. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 086-136 A.

VA Overall AU Category: **5A**

Use	Impairment	0.22 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **76092**

VAT-C14E_HUG02A00	Hungars Creek - Lower	NORTHAMPTON CO	Lower portion of Hungars Creek from Waterford Point (RM 1.8) @ confluence with Jacobus Cr. downstream to mouth. Portion of CBP segment CB7PH. No DSS shellfish direct harvesting condemnation .

VA Overall AU Category: **5A**

Use	Impairment	1.19 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **76092**

VAT-C14E_JAC01A06	Jacobus Creek - Upper South Fork	NORTHAMPTON CO	West of Johnsontown. Trib to Hungars Cr. Uppermost portion of south branch. Portion of CBP segment CB7PH. DSS Administrative Prohibition # 086-136 E - STP VA0023817 Outfall.

VA Overall AU Category: **5A**

Use	Impairment	0.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **76092**

VAT-C14E_JAC02A06	Jacobus Creek - Middle and Forks	NORTHAMPTON CO	West of Johnsontown. Trib to Hungars Cr. Middle mainstem, north fork and lower portion of south fork. Portion of CBP segment CB7PH. DSS direct shellfish harvesting condemnation # 086-136 B.

VA Overall AU Category: **5A**

Use	Impairment	0.29 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **76092**

VAT-C14E_JAC03A06	Jacobus Creek - Lower	NORTHAMPTON CO	West of Johnsontown. Trib to Hungars Cr. Lower mainstem portion. Portion of CBP segment CB7PH. No DSS direct shellfish harvesting condemnation.

VA Overall AU Category: **5A**

Use	Impairment	1.00 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **76092**

VAT-C14E_MAT01A06	Mattawoman Creek - Upper	NORTHAMPTON CO	South of Wilsonia Neck. Portion of CBP segment CB7PH. DSS shellfish condemnation # 086-136 C.

VA Overall AU Category: **5A**

Use	Impairment	0.22 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **76092**

VAT-C14E_THG01A06	The Gulf - Upper	NORTHAMPTON CO	From end of tidal waters downstream to narrowing 0.45 mi. from mouth. Portion of CBP segment CB7PH. DSS shellfish condemnation # 087-174.

VA Overall AU Category: **5A**

Use	Impairment	0.17 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **76092**

VAT-C14E_THG02A06	The Gulf - Lower	NORTHAMPTON CO	From narrowing (end of upstream DSS condemnation) downstream to mouth. Portion of CBP segment CB7PH. No DSS direct shellfish harvesting condemnation.

VA Overall AU Category: **5A**

Use	Impairment	0.13 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **76092**

VAT-C14E_WHS01A06	Westerhouse Creek - North Branch (Part A)	NORTHAMPTON CO	In Church Neck area, west of Bridgetown. Portion of CBP segment CB7PH. DSS shellfish condemnation # 085-199 A.

VA Overall AU Category: **5A**

Use	Impairment	0.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **76092**

VAT-C14E_WHS02A06	Westerhouse Creek - South Branch (Part B)	NORTHAMPTON CO	In Church Neck area, west of Bridgetown. Portion of CBP segment CB7PH. DSS shellfish condemnation # 085-199 B.

VA Overall AU Category: **5A**

Use	Impairment	0.05 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **76092**

VAT-C14E_WHS03A06	Westerhouse Creek - Lower	NORTHAMPTON CO	In Church Neck area, west of Bridgetown. Portion of CBP segment CB7PH. No DSS shellfish direct harvesting condemnation.

VA Overall AU Category: **5A**

Use	Impairment	0.18 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **76092**

VAT-C14E_ZZZ01A00	Unsegmented estuaries in C14E.	NORTHAMPTON CO	Evaluated non segmented portions of C14E. Portion of CBP segment CB7PH. No DSS shellfish condemnations.

VA Overall AU Category: **5A**

Use	Impairment	3.49 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **76092**

VAT-C15E_CCB01A06	Cape Charles Beach	NORTHAMPTON CO	Located west of Town of Cape Charles, along Chesapeake Bay. Portion of CBP segment CB7PH. No DSS condemnation.

VA Overall AU Category: **5A**

Use	Impairment	0.05 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **76092**

VAT-C15E_CRS01A06	Cherrystone Inlet - Upper	NORTHAMPTON CO	Upper northern branch 1/5 of Inlet, from Eyreville Neck downstream to confluence with Chesapeake Bay. Including Old Castle Cr. Portion of CBP segment CB7PH. DSS condemnation # 088-139A.

VA Overall AU Category: **5A**

Use	Impairment	0.30 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **76092**

VAT-C15E_CRS02A06	Cherrystone Inlet - Lower	NORTHAMPTON CO	Lower 4/5 of Inlet, from Eyreville Neck downstream to confluence with Chesapeake Bay. Portion of CBP segment CB7PH. No DSS direct harvesting shellfish condemnation .

VA Overall AU Category: **5A**

Use	Impairment	2.16 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **76092**

VAT-C15E_KNS01A00	Kings Creek - Upper Forks	NORTHAMPTON CO	From end of tidal waters downstream to confluence of the two most upstream forks. Portion of CBP segment CB7PH. DSS condemnation # 088-139B.

VA Overall AU Category: **5A**

Use	Impairment	0.07 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **76092**

VAT-C15E_KNS02A00	Kings Creek - Lower	NORTHAMPTON CO	From confluence of the two most upstream forks downstream to mouth. Portion of CBP segment CB7PH. No DSS shellfish condemnation.

VA Overall AU Category: **5A**

Use	Impairment	0.27 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **76092**

VAT-C16E_CCH01A04	Cape Charles Harbor - Upper	NORTHAMPTON CO	From most upstream end of harbor downstream to 1/2 distance to mouth (RM 0.23). Portion of CBP segment CB7PH. DSS ADMINISTRATIVE condemnation # 089-011A (VPDES outfall condemnation for Cape Charles STP VA0021288).

VA Overall AU Category: **5A**

Use	Impairment	0.06 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **76092**

VAT-C16E_CCH02A00	Cape Charles Harbor - Lower	NORTHAMPTON CO	From 1/2 distance to mouth (RM 0.23) downstream to confluence with the Chesapeake Bay (RM 0.0). Portion of CBP segment CB7PH. Portion of DSS ADMINISTRATIVE condemnation # 089-011B (VPDES outfall condemnation for Cape Charles STP VA0021288).

VA Overall AU Category: **5A**

Use	Impairment	0.05 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **76092**

VAT-C16E_KPT01A06	Kiptopeke Beach	NORTHAMPTON CO	Located west of Cedar Grove, along Chesapeake Bay, near southern tip of Eastern Shore. Portion of CBP segment CB7PH. No DSS condemnations.

VA Overall AU Category: **5A**

Use	Impairment	0.44 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **76092**

VAT-C16E_OPC01A06	Old Plantation Creek - Upper	NORTHAMPTON CO	From end of tidal waters downstream to narrows at approx. RM 2.0. Portion of CBP segment CB7PH. DSS shellfish condemnation # 090-152.

VA Overall AU Category: **5A**

Use	Impairment	0.11 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **76092**

VAT-C16E_OPC02A00	Old Plantation Creek - Lower	NORTHAMPTON CO	From narrows at RM 2.0 downstream to mouth. Portion of CBP segment CB7PH. No DSS shellfish condemnation.

VA Overall AU Category: **5A**

Use	Impairment	1.00 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 7 Polyhaline Embayments**

TMDL Group ID: **76092**

VAT-C16E_ZZZ01A00	Unsegmented estuaries in C16E	NORTHAMPTON CO	Evaluated non-segmented estuarine portions of C16. Portion of CBP segment CB7PH. No DSS condemnations.

VA Overall AU Category: **5A**

Use	Impairment	0.80 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76092	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 8 Polyhaline Embayments**

TMDL Group ID: **76091**

VAT-C08E_CBB01A06	Chesapeake Bay Beaches	NORFOLK CITY VIRGINIA BEACH CITY	Located along Chesapeake Bay, inn cities of Norfolk and Virginia Beach. Portion of CBP segment CB8PH. No DSS shellfish direct harvesting condemnations present.

VA Overall AU Category: **5A**

Use	Impairment (2.54 SQUARE MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**	76091	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**	76091	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 8 Polyhaline Embayments**

TMDL Group ID: **76091**

VAT-C08E_LCC01A06	Little Creek & Harbor (except mouth)	NORFOLK CITY	Entire area of Little Creek and upper portion of Little Creek Harbor. From headwaters of Little Cr. downstream to lower portion of Harbor @ RM 0.2. CBP segment CB8PH. DSS (ADMINISTRATIVE) condemnation # 068-017.

VA Overall AU Category: **5A**

Use	Impairment	1.00 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76091	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76091	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay 8 Polyhaline Embayments**

TMDL Group ID: **76091**

VAT-C08E_LCC02A06	Little Creek Harbor - Mouth	NORFOLK CITY	From approx. RM 0.2 downstream to mouth. CBP segment CB8PH. DSS (ADMINISTRATIVE) condemnation # 068-017.

VA Overall AU Category: **5A**

Use	Impairment	0.07 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76091	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76091	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay and Tributaries**

TMDL Group ID: **76068**

VAT-C07E_BAK01A00 **Mainstem Back River** HAMPTON CITY POQUOSON CITY CITY

From junction of Northwest and Southwest Branches downstream to mouth of Back River. Portion of CBP Segment MOBPH. No DSS shellfish condemnations.

VA Overall AU Category: **5A**

Use	Impairment	0.56 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C07E_BCB01A06 **Buckroe Beaches** HAMPTON CITY

From northeast of Buckroe Beach southwest to Parallel with start of Mill Cr. Portion of CBP Segment CB8PH. No DSS shellfish condemnations.

VA Overall AU Category: **5A**

Use	Impairment	0.22 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C07E_BCK01A00 **Back Creek - Upper** YORK CO

Back Creek (S of York R mouth) is a tributary to The Thorofare and Chesapeake Bay. From end of tidal waters downstream to point upstream of Dandy (RM 1.6). CBP Segment MOBPH. DSS shellfish condemnation # 053-151A.

VA Overall AU Category: **5A**

Use	Impairment	0.09 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C07E_BCK02A06 **Back Creek - Middle (DSS-marina area)** YORK CO

Back Creek (S of York R mouth) is a tributary to The Thorofare and Chesapeake Bay. CBP Segment MOBPH. Area within DSS shellfish condemnation # 053-151 M1, around marina area (Effective 2005-11-03).

VA Overall AU Category: **5A**

Use	Impairment	0.19 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay and Tributaries**

TMDL Group ID: **76068**

VAT-C07E_BCK03A06 — **Back Creek - Lower** — YORK CO

Back Creek (S of York R mouth) is a tributary to The Thorofare and Chesapeake Bay. CBP Segment MOBPH. From upstream of Dandy (RM 1.6) downstream to mouth (RM 0.0). DSS shellfish condemnation # 053-151 (OPEN, Effective 2004-04-26).

VA Overall AU Category: **5A**

Use	Impairment	0.49 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C07E_BRK01A06 — **Brick Kiln Creek** — HAMPTON CITY YORK CO

From 0.3 mi. downstream of Big Bethel Res. dam (approx. RM 5.0, end of tidal waters north of Ebenezer Church) downstream to confluence with Northwest Br. Back R. CBP Segment MOBPH. Portion of DSS shellfish condemnation #054-021C.

VA Overall AU Category: **5A**

Use	Impairment	0.09 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C07E_CCR01A06 — **Cedar & Topping Creeks** — POQUOSON CITY CITY

Located near City of Poquoson. Cedar & Topping Creeks are tribs to the north shore of the Northwest Branch of Back River. Portion of DSS condemnation # 054-021C (less NW Br Back R./Brick Kiln Cr. portion). CBP Segment MOBPH.

VA Overall AU Category: **5A**

Use	Impairment	0.10 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C07E_CHS01A06 — **Chisman Creek-Upper & Goose Cr** — POQUOSON CITY CITY

From end of tidal waters (upper 2/3 of creek), downstream to area of Evergreen Shores (approx. RM 0.9). CBP Segment MOBPH. DSS condemnation # 053-137A.

VA Overall AU Category: **5A**

Use	Impairment	0.51 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay and Tributaries**

TMDL Group ID: **76068**

VAT-C07E_CHS02A06 — **Chisman Creek-Lower North Shore (Marina)** — POQUOSON CITY CITY

North shore of creek, area of Cheeseman. Contains DSS seasonal condemnation # 053-137 M2. CBP Segment MOBPH.

VA Overall AU Category: **5A**

Use	Impairment	0.09 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C07E_CHS02B06 — **Chisman Creek - Lower** — POQUOSON CITY CITY

Lower 1/3 of creek, downstream from area of Evergreen Shores (RM 0.9) to mouth. CBP Segment MOBPH. DSS (OPEN) condemnation # 053-137.

VA Overall AU Category: **5A**

Use	Impairment	0.64 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C07E_EAS01A06 — **Easton Cove/Floyds Bay** — POQUOSON CITY CITY

Located in southeast corner of Bennett Cr, trib to Poquoson River. Area of York Haven Anchorage. Includes Easton Cove and Floyds Bay. DSS shellfish condemnation # 053-137I (Effective 2004-04-26). CBP Segment MOBPH.

VA Overall AU Category: **5A**

Use	Impairment	0.18 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C07E_FRT01A06 — **Front Cove** — POQUOSON CITY CITY

North shore trib. to mainstem Back R. Adjacent to Messick Point. DSS shellfish condemnation # 054-021A (Effective 2004-06-02, previously in # 193 - effective 1998-06-24). CBP Segment MOBPH.

VA Overall AU Category: **5A**

Use	Impairment	0.08 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay and Tributaries**

TMDL Group ID: **76068**

VAT-C07E_GRV01A06 **Grandview Pier & Saltponds Beaches** HAMPTON CITY

From Grandview beach southwest to northeast of Buckroe Beach. Portion of CBP Segment CB8PH. No DSS shellfish condemnations.

VA Overall AU Category: **5A**

Use	Impairment	Impairment	0.34 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**			76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C07E_HAR01A06 **Harris River - Upper** HAMPTON CITY

South shore trib. to mainstem Back R. Adjacent to Fox Hill area. DSS shellfish condemnation # 054-215A (Effective 2004-06-02, previously in # 054-021G - effective 2002-06-25). CBP Segment MOBPH.

VA Overall AU Category: **5A**

Use	Impairment	Impairment	0.28 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**			76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C07E_HAR02A06 **Harris River - Lower** HAMPTON CITY

South shore trib. to mainstem Back R. Adjacent to Fox Hill area. From end of upstream DSS condemn (approx. RM 0.5) downstream to mouth. No DSS shellfish harvesting condemnation. CBP Segment MOBPH.

VA Overall AU Category: **5A**

Use	Impairment	Impairment	0.13 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**			76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C07E_INB01A04 **DSS Inlet #2-Unnamed Inlet of Back River** HAMPTON CITY

South shore trib. to mainstem Back R.Located in unnamed inlet west of Dandy Point. On south shore of Back River, southwest of mouth and east of Harris R. DSS condemnation # 054-215B (effective 2004-06-02). CBP Segment MOBPH.

VA Overall AU Category: **5A**

Use	Impairment	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**			76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay and Tributaries**

TMDL Group ID: **76068**

VAT-C07E_LMC01A04 — **Lambs Creek - Poquoson River** — POQUOSON CITY CITY YORK CO

South shore tributary to Poquoson R, west of Poquoson Shores. On border of Poquoson/York boundary. Between Moores Cr. and Roberts Cr to east. DSS Shellfish condemnation # 053-137 E (effective 2004-04-26). CBP Segment MOBPH.

VA Overall AU Category: **5A**

Use	Impairment	0.16 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C07E_LON01A06 — **Long & Grunland Creeks - Back River** — HAMPTON CITY

South shore trib. to mainstem Back R. Adjacent to Grandview area. DSS (ADMINISTRATIVE) shellfish harvesting condemnation # 054-215 D (effective 2004-06-02). CBP Segment MOBPH.

VA Overall AU Category: **5A**

Use	Impairment	0.17 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C07E_LYO01A06 — **Lyons Creek - Upper** — POQUOSON CITY CITY

South shore tributary to Poquoson R, in area of York Haven Anchorage. East of Roberts Cr. and north of White House Cove. DSS Shellfish condemnation # 053-137 E (effective 2004-04-26). CBP Segment MOBPH.

VA Overall AU Category: **5A**

Use	Impairment	0.04 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C07E_LYO02A06 — **Lyons Creek - Lower** — POQUOSON CITY CITY

South shore tributary to Poquoson R, in area of York Haven Anchorage. East of Roberts Cr. and north of White House Cove. DSS (OPEN) Shellfish condemnation # 053-137 (effective 2004-04-26). CBP Segment MOBPH.

VA Overall AU Category: **5A**

Use	Impairment	0.09 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay and Tributaries**

TMDL Group ID: **76068**

VAT-C07E_NEW01A02 — **Newmarket Creek - Upper** — HAMPTON CITY

South of Blue Bird Gap Farm area. From end of tidal waters (approx. RM 5.1) downstream to I-64 crossing (RM 3.68). Portion of DSS shellfish condemnation # 054-021 E (effective 2004-06-02). CBP Segment MOBPH.

VA Overall AU Category: **5A**

Use	Impairment	0.07 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C07E_NEW02A02 — **Newmarket Creek - Lower** — HAMPTON CITY

South of Blue Bird Gap Farm area. From end of tidal waters (approx. RM 5.1) downstream to I-64 crossing (RM 3.68). Portion of DSS shellfish condemnation # 054-021 E (effective 2004-06-02). CBP Segment MOBPH.

VA Overall AU Category: **5A**

Use	Impairment	0.08 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C07E_NWB01A06 — **Northwest Br. Back River - Upper** — HAMPTON CITY POQUOSON CITY CITY

Headwaters to confluence of Topping Creek @ RM 1.5, end of DSS shellfish condemnation #054-021C. Condemnation less Cedar/Topping & Brick Kiln Creeks. CBP Segment MOBPH.

VA Overall AU Category: **5A**

Use	Impairment	0.39 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C07E_NWB02A06 — **Northwest Br. Back River - Lower** — HAMPTON CITY POQUOSON CITY CITY

From area of confluence of Topping Creek (approx. RM 1.5) downstream to confluence with mainstem Back R. No DSS direct shellfish harvesting condmenation. CBP Segment MOBPH.

VA Overall AU Category: **5A**

Use	Impairment	1.11 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay and Tributaries**

TMDL Group ID: **76068**

VAT-C07E_POQ01A06 **Poquoson River - Upper** YORK CO

From Rt 17 crossing @ reservoir dam (RM 5.7) downstream to point downstream of confluence of Quarter March Creek (RM 2.7) @ Calthrop Neck, DSS shellfish condemnation # 053-137D. Including Moores & Quarter March Creeks. CBP Segment MOBPH.

VA Overall AU Category: **5A**

Use	Impairment	0.40 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C07E_POQ02A06 **Poquoson River - Lower** YORK CO

From point downstream of confluence of Quarter March Creek (RM 2.7) @ Calthrop Neck to mouth. No DSS shellfish harvesting condemnation. CBP Segment MOBPH.

VA Overall AU Category: **5A**

Use	Impairment	2.45 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C07E_POQ02B04 **Unnamed Cove - Poquoson River** YORK CO

North shore trib to Poquoson R. east of Piney Point Estates. DSS shellfish condemnation # 053-137B. CBP Segment MOBPH.

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C07E_PTC01A04 **Patricks Creek - Poquoson River** YORK CO

North shore trib to Poquoson R. South of Dare area.DSS Shellfish condemnation # 053-137 C. CBP Segment MOBPH.

VA Overall AU Category: **5A**

Use	Impairment	0.10 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay and Tributaries**

TMDL Group ID: **76068**

VAT-C07E_ROB01A04 **Roberts Creek - Poquoson River** POQUOSON CITY CITY

South shore trib to Poquoson R. South of Dare area. DSS Shellfish condemnation # 053-137 F. CBP Segment MOBPH.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.11	SQUARE MILES	76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C07E_SWB01A06 **Southwest Branch - Back River** HAMPTON CITY

Headwaters of Southwest Branch downstream to mouth, confluence with Back R. Includes Tides Mill Cr. DSS shellfish condemnation # 054-021E. CBP segment MOBPH.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	1.76	SQUARE MILES	76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C07E_TBC01A04 **Tabbs Creek - Back River** POQUOSON CITY CITY

Tributary to Northwest Branch Back River. Portion of DSS shellfish condemnation # 054-021D. CBP segment MOBPH.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.07	SQUARE MILES	76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C07E_WAL01A06 **Wallace Creek - Upper (Back River)** HAMPTON CITY

Tributary to south shore Back River, east of Harris R & adjacent to Inlet #2. Most ustream tip of creek. DSS (ADMINISTRATIVE) shellfish condemnation # 054-215 E. CBP segment MOBPH.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.01	SQUARE MILES	76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay and Tributaries**

TMDL Group ID: **76068**

VAT-C07E_WAL02A06 — **Wallace Creek - Lower (Back River)** — HAMPTON CITY

Tributary to south shore Back River, east of Harris R & adjacent to Inlet #2. DSS shellfish condemnation # 054-215 C. CBP segment MOBPH.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.06 SQUARE MILES	76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C07E_WAT01A06 — **Watts Creek - (NW Br. Back River)** — POQUOSON CITY CITY

Located southwest of Poquoson. Watts Cr. trib to Northwest Br. of Back R. Portion of DSS condemnation # 054-021B. CBP segment MOBPH.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.01 SQUARE MILES	76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C07E_WHH01A06 — **White House Cove - Upper** — POQUOSON CITY CITY

Located in York Haven Anchorage area, south of mouth of Poquoson R, area of DSS Shellfish condemnation # 053-137 H. CBP segment MOBPH.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.10 SQUARE MILES	76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C07E_ZZZ01A00 — **Unsegmented estuaries in C07E** — HAMPTON CITY YORK CO

Non segmented areas of C07E. No DSS direct shellfish harvesting condmenation. CBP Segment MOBPH.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	31.81 SQUARE MILES	76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay and Tributaries**

TMDL Group ID: **76068**

VAT-C08E_BBY01A06 **Broad Bay - Upper** VIRGINIA BEACH CITY

Located adjacent to Broad Bay Colony area of VB. East of Lynnhaven River. Portion of CBP segment LYNPH. Portion of DSS shellfish direct harvesting condemnation # 071-025 C (balance in VAT-C08E_DEY01A00, _LKN01A00 & _CRY01A00).

VA Overall AU Category: **5D**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.90 SQUARE MILES	76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C08E_BBY02A06 **Broad Bay - Lower** VIRGINIA BEACH CITY

Located adjacent to Broad Bay Colony area of VB. East of Lynnhaven River. Lower portion of bay. Portion of CBP segment LYNPH. DSS (OPEN) shellfish direct harvesting condemnation # 071-025.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.34 SQUARE MILES	76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C08E_CBB01A06 **Chesapeake Bay Beaches** NORFOLK CITY, VIRGINIA BEACH CITY

Located along Chesapeake Bay, inn cities of Norfolk and Virginia Beach. Portion of CBP segment CB8PH. No DSS shellfish direct harvesting condemnations present.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	2.54 SQUARE MILES	76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C08E_CRY01A00 **Crystal Lake** VIRGINIA BEACH CITY

Includes Rainey Gut. Located in North Linkhorn Park area in Virginia Beach. East of Lynnhaven River. Portion of CBP segment LYNPH. Portion of DSS shellfish direct harvesting condemnation #071-025 C (balance in VAT-C08E_DEY01A00, _LKN01A00 & _CRY01A00).

VA Overall AU Category: **5D**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.13 SQUARE MILES	76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay and Tributaries**

TMDL Group ID: **76068**

VAT-C08E_DEY01A00 — **Dey Cove/Mill Dam Creek** — VIRGINIA BEACH CITY

Located attached to west shore of Broad Bay Colony area of VB. East of Lynnhaven River. Portion of CBP segment LYNPH. Portion of DSS shellfish direct harvesting condemnation #071-025 C (balance in VAT-C08E_CRY01A00, _LKN01A00 & _LON01A00).

VA Overall AU Category: **5D**

Use	Impairment	0.08 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C08E_EBL01A06 — **Eastern Branch - Upper, Lynnhaven River** — VIRGINIA BEACH CITY

From end of London Br. Cr. (Rt 58 crossing) downstream to eastern shore embayment near Forest Hills. Portion of CBP segment LYNPH.Portion of DSS shellfish direct harvesting condemnation #071-025 A (balance in VAT-C08E_EBL01A00, LYN01A00).

VA Overall AU Category: **5D**

Use	Impairment	0.70 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C08E_EBL02A06 — **Eastern Branch - Lower, Lynnhaven River** — VIRGINIA BEACH CITY

From eastern shore embayment near Forest Hills downstream to confluence with mainstem. Portion of CBP segment LYNPH. Portion of DSS shellfish direct harvesting condemnation #071-025 C (balance in VAT-C08E_CRY01A00, _LKN01A00 & _LON01A00).

VA Overall AU Category: **5D**

Use	Impairment	0.29 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C08E_LCC01A06 — **Little Creek & Harbor (except mouth)** — NORFOLK CITY

Entire area of Little Creek and upper portion of Little Creek Harbor. From headwaters of Little Cr. downstream to lower portion of Harbor @ RM 0.2. CBP segment CB8PH. DSS (ADMINISTRATIVE) condemnation # 068-017.

VA Overall AU Category: **5A**

Use	Impairment	1.00 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay and Tributaries**

TMDL Group ID: **76068**

VAT-C08E_LCC02A06 | **Little Creek Harbor - Mouth** | NORFOLK CITY | From approx. RM 0.2 downstream to mouth. CBP segment CB8PH. DSS (ADMINISTRATIVE) condemnation # 068-017.

VA Overall AU Category: **5A**

Use	Impairment	0.07 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		76068	**2006**	**2014**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04. Previous IM (2004; VAT-C08E-09) @ DEQ CORE station 7-LCC000.19 Fish Consumption Partial support due to PCBs in 2 species fish tissue 1998. The previous TMDL due date of 2014 will be retained.

Sources: Source Unknown

VAT-C08E_LKN01A00 | **Linkhorn Bay** | VIRGINIA BEACH CITY | Located adjacent to Linkhorn Estates area of VB. East of Lynnhaven River. Portion of CBP segment LYNPH. Portion of DSS shellfish direct harvesting condemnation #071-025 C (balance in VAT-C08E_CRY01A00, _BBY01A00 & _LON01A00).

VA Overall AU Category: **5D**

Use	Impairment	0.95 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C08E_LNC01A00 | **Little Neck Creek** | VIRGINIA BEACH CITY | Eastern shore tributary of Linkhorn Bay, near Bay Colony. Portion of CBP segment LYNPH. Portion of DSS shellfish direct harvesting condemnation #071-025 C (balance in VAT-C08E_CRY01A00, _BBY01A00 & _LON01A00).

VA Overall AU Category: **5D**

Use	Impairment	0.33 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C08E_LOB01A00 | **London Bridge Creek** | VIRGINIA BEACH CITY | Entirety of creek, from headwaters near Shipps Corner downstream to Rt. 58 crossing. Portion of CBP segment LYNPH. Portion of DSS shellfish direct harvesting condemnation #071-025 A (balance in VAT-C08E_EBL01A00, WES01A00, LYN01A00).

VA Overall AU Category: **5D**

Use	Impairment	0.05 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay and Tributaries**

TMDL Group ID: **76068**

VAT-C08E_LON01A00 **Long Creek** VIRGINIA BEACH CITY

Northern shore tributary of Broad Bay, near Bay Island area. Portion of CBP segment LYNPH. DSS shellfish direct harvesting condemnation #071-025 B. Effective 2003-12-11.

VA Overall AU Category: **5D**

Use	Impairment	0.27 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C08E_LYN01A06 **Lynnhaven River - Mainstem** VIRGINIA BEACH CITY

Tributary to shouth shore of Chesapeake Bay. Mainstem area near mouth. Portion of CBP segment LYNPH. Portion of DSS shellfish direct harvesting condemnation # 071-025 A (balance in VAT-C08E_EBL01A00, _WES01A00). Effective 2003-12-11

VA Overall AU Category: **5D**

Use	Impairment	1.31 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C08E_THA01A02 **Thalia Creek/Thurston Branch** VIRGINIA BEACH CITY

Beginning of Thalia Creek (includes Thurston Branch) from headwaters downstream to Western Br. Lynnhaven R. Portion of CBP segment LYNPH. Portion of DSS shellfish direct harvesting condemnation #071-025 A (balance in VAT-C08E_EBL01A00, _LYN01A00).

VA Overall AU Category: **5D**

Use	Impairment	0.16 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C08E_WES01A06 **Western Branch - Upper, Lynnhaven River** VIRGINIA BEACH CITY

From the end of Thurston Branch downstream to Witch Duck Point. Portion of CBP segment LYNPH. Portion of DSS shellfish direct harvesting condemnation #071-025 A (balance in VAT-C08E_EBL01A00, LYN01A00). Effective 2003-12-11.

VA Overall AU Category: **5D**

Use	Impairment	0.28 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay and Tributaries**

TMDL Group ID: **76068**

VAT-C08E_WES02A06 — **Western Branch - Lower, Lynnhaven River** — VIRGINIA BEACH CITY

From Witch Duck Point downstream to confluence with mainstem. Portion of CBP segment LYNPH. Portion of DSS shellfish direct harvesting condemnation #071-025 A (balance in VAT-C08E_EBL01A00, _LYN01A00).

VA Overall AU Category: **5D**

Use	Impairment	0.40 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C08E_WNC01A00 — **West Neck Creek (Upper) to London Bridge Creek** — VIRGINIA BEACH CITY

From Princess Anne Rd. crossing downstream to junction with London Bridge Cr. at Shipps Corner area. Segment has been determined by USGS to drain to C08E (Lynnhaven River). Portion of CBP segment LYNPH. No DSS shellfish direct harvesting condemnation.

VA Overall AU Category: **5D**

Use	Impairment	0.08 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C08E_XBO01A00 — **Canal No. 2** — VIRGINIA BEACH CITY

Man-Made tributary to London Bridge Creek. Entire length of Canal No. 2. Portion of CBP segment LYNPH. No DSS shellfish direct harvesting condemnation.

VA Overall AU Category: **5D**

Use	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C08E_ZZZ01A00 — **Unsegmented tidal tributaries in C09E-LYNPH** — VIRGINIA BEACH CITY

Portion of CBP segment LYNPH. Portion of DSS shellfish direct harvesting condemnation #071-025 A and C (balance in VAT-C08E_EBL01A00, WES01A00, _LYN01A00 & _DEY01A00, _LKN01A00 & _CRY01A00).

VA Overall AU Category: **5D**

Use	Impairment	1.63 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay and Tributaries**

TMDL Group ID: **76068**

VAT-C09E_BLB01A06 **Bulbeggar Creek** ACCOMACK CO

Located southeast of Pitts Neck area. From estuarine/riverine transition (end of tidal waters) downstream to mouth (confluence with Pocomoke Sound). Portion of CBP segment POCOH. Portion of DSS shellfish condemnation # 075-033.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.12	SQUARE MILES	76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C09E_POC01A06 **Pocomoke River** ACCOMACK CO

Located northeast of Pitts Neck area, along VA/MD border. From VA/MD state line downstream to mouth (confluence with Pocomoke Sound) within VA. Portion of CBP segment POCOH. Portion of DSS shellfish direct harvesting condemnation # 075-033.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.21	SQUARE MILES	76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C09E_PTT01A06 **Pitts Creek** ACCOMACK CO

Located northeast of Pitts Neck area, along VA/MD border. From VA/MD state line downstream to mouth (confluence with Pocomoke River) within VA. Portion of CBP segment POCOH. Portion of DSS shellfish direct harvesting condemnation # 075-033.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.36	SQUARE MILES	76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C09E_ZZZ01A06 **Unsegmented tidal tributaries in C09E-POCOH** ACCOMACK CO

Evaluated non segmented portions of C09E. Portion of CBP segment POCOH. Portion of DSS shellfish direct harvesting condemnation # 075-033.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.02	SQUARE MILES	76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay and Tributaries**

TMDL Group ID: **76068**

VAT-C09E_ZZZ02A06 | **Unsegmented Pocomoke Sound in POCOH** | ACCOMACK CO | Evaluated non segmented portions of C09E. Portion of CBP segment POCOH. Portion of DSS shellfish direct harvesting condemnation # 075-033.

VA Overall AU Category: **5A**

Use	Impairment	0.74 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C10E_BAG01A00 | **Bagwell Creek** | ACCOMACK CO | Northwest of Town of Justisville. Entirety of creek. Portion of CBP segment POCMH. DSS shellfish direct harvesting condemnation # 077-138 C.

VA Overall AU Category: **5A**

Use	Impairment	0.19 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C10E_DEP01A06 | **Deep Creek - Upper** | ACCOMACK CO | East of town of Bayside. Upper portion of creek, from end of tidal waters downstream to approx. RM 1.6. Portion of CBP segment CB7PH. DSS Shellfish condemnation # 077-138 A.

VA Overall AU Category: **5A**

Use	Impairment	0.16 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C10E_DEP02A06 | **Deep Creek - Lower** | ACCOMACK CO | East of town of Bayside. Lower portion of creek, from RM 1.6 downstream to mouth. Portion of CBP segment CB7PH. DSS (OPEN) Shellfish condemnation # 077-138.

VA Overall AU Category: **5A**

Use	Impairment	1.10 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay and Tributaries**

TMDL Group ID: **76068**

VAT-C10E_GLF01A06 **Guilford Creek - Upper** ACCOMACK CO

Northeast of Town of Guilford. Upper portion of creek, from end of tidal waters downstream to end of DSS condemnation. Portion of CBP segment POCMH. DSS shellfish condemnation # 076-176 B.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.15	SQUARE MILES	76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C10E_GLF02A06 **Guilford Creek - Lower** ACCOMACK CO

Northeast of Town of Guilford. Lower portion of creek, from end of DSS condemnation downstream to mouth. Portion of CBP segment POCMH. DSS (OPEN) shellfish direct harvesting condemnation # 076-176 B.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.59	SQUARE MILES	76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C10E_GSH01A06 **Guard Shore Beach** ACCOMACK CO

In Old Cove (Beasley Bay). Located at Bailey Ridge, West of Bloxom. Portion of CBP segment POCMH. No DSS shellfish direct harvesting condemnation.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.00	SQUARE MILES	76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C10E_HLD01A06 **Holdens Creek - Upper** ACCOMACK CO

Located southeast of Joeys Neck area. From estuarine/riverine transition (end of tidal waters) downstream to 0.5 mi downstream of station @ 7-HLD002.67. Portion of CBP segment POCOH. Portion of DSS shellfish condemnation # 075-033.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.03	SQUARE MILES	76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay and Tributaries**

TMDL Group ID: **76068**

VAT-C10E_HLD02A06 **Holdens Creek - Lower** ACCOMACK CO

Located southeast of Joeys Neck area. From 0.5 mi downstream of station @ 7-HLD002.67 downstream to mouth. Portion of CBP segment POCOH. Portion of DSS shellfish condemnation # 075-033.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
		0.05	SQUARE MILES				
Fish Consumption	**PCB in Fish Tissue**			76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C10E_HUN01A00 **Hunting Creek - Upper** ACCOMACK CO

West of Town of Hopkins. Upper portion of creek, from headwaters downstream to end of DSS condemnation. Portion of CBP segment POCMH. DSS condemnation # 077-138 B.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
		0.19	SQUARE MILES				
Fish Consumption	**PCB in Fish Tissue**			76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C10E_HUN02A06 **Hunting Creek - Lower** ACCOMACK CO

West of Town of Hopkins. Lower portion of creek, from end of DSS condemnation downstream to mouth. Portion of CBP segment POCMH. DSS (OPEN) shellfish direct harvesting condemnation # 077-138.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
		0.69	SQUARE MILES				
Fish Consumption	**PCB in Fish Tissue**			76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C10E_ISB01A06 **Island Bay** ACCOMACK CO

Between Russell Isl. & Long Ridge area. Portion of CBP segment CB7PH. No DSS shellfish direct harvesting condemnations.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
		0.06	SQUARE MILES				
Fish Consumption	**PCB in Fish Tissue**			76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay and Tributaries**

TMDL Group ID: **76068**

VAT-C10E_MES01A06 **Messongo Creek - Upper** ACCOMACK CO

Located southeast of Saxis. From end of tidal waters downstream to 0.4 mi downstream of Rt 690 crossing. Portion of CBP segment POCMH. Upstream portion of DSS shellfish direct harvesting condemnation # 076-167 A.

VA Overall AU Category: **5A**

Use	Impairment	Impairment	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
	0.01 SQUARE MILES					
Fish Consumption		**PCB in Fish Tissue**	76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C10E_MES02A06 **Messongo Creek - Middle** ACCOMACK CO

Located southeast of Saxis. From 0.4 mi downstream of Rt 690 crossing, downstream to end of DSS condemnation near Town of Belinda. Portion of CBP segment POCMH. Downstream portion of DSS shellfish direct harvesting condemnation # 076-167 A.

VA Overall AU Category: **5A**

Use	Impairment	Impairment	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
	0.27 SQUARE MILES					
Fish Consumption		**PCB in Fish Tissue**	76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C10E_MES03A06 **Messongo Creek - Lower** ACCOMACK CO

Located southeast of Saxis. From end of DSS condemnation near Town of Belinda downstream to the mouth. Portion of CBP segment POCMH. No DSS shellfish direct harvesting condemnation.

VA Overall AU Category: **5A**

Use	Impairment	Impairment	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
	0.94 SQUARE MILES					
Fish Consumption		**PCB in Fish Tissue**	76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C10E_MUD01A04 **Muddy Creek - Upper** ACCOMACK CO

Located Southeast of Bryds Marsh and northeast of Town of Bloxom on Eastern Shore. Portion of CBP segment POCMH. DSS shellfish direct harvesting condemnation # 076-176 A.

VA Overall AU Category: **5A**

Use	Impairment	Impairment	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
	0.34 SQUARE MILES					
Fish Consumption		**PCB in Fish Tissue**	76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay and Tributaries**

TMDL Group ID: **76068**

VAT-C10E_MUD02A06 **Muddy Creek - Lower** ACCOMACK CO

Located Southeast of Bryds Marsh and northeast of Town of Bloxom. Lower portion of creek, from end of DSS condemnation downstream to mouth. Portion of CBP segment POCMH. No DSS shellfish direct harvesting condemnation.

VA Overall AU Category: **5A**

Use	Impairment	0.32 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C10E_STR01A06 **Starling Creek - Upper** ACCOMACK CO

Northwest shore of Saxis Island area. Upper portion of creek, from end of tidal waters downstream to end of DSS condemnation. Portion of CBP segment POCMH. DSS shellfish condemnation # 075-118 A.

VA Overall AU Category: **5A**

Use	Impairment	0.08 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C10E_STR02A06 **Starling Creek - Lower** ACCOMACK CO

Located on Saxis Island, southwest of Pocomoke Sound. Embayment at town of Saxis. Lower portion of creek, from end of DSS condemnation downstream to mouth. Portion of CBP segment POCMH. No DSS shellfish direct harvesting condemnation.

VA Overall AU Category: **5A**

Use	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C10E_YOU01A06 **Young Creek - Upper** ACCOMACK CO

Northeast of Town of Guilford. Upper portion of creek, from end of tidal waters downstream to end of DSS condemnation. Portion of CBP segment POCMH. DSS shellfish condemnation # 076-176 C.

VA Overall AU Category: **5A**

Use	Impairment	0.13 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay and Tributaries**

TMDL Group ID: **76068**

VAT-C10E_YOU02A06 | **Young Creek - Lower** | ACCOMACK CO | Northeast of Town of Guilford. Lower portion of creek, from end of DSS condemnation downstream to mouth. Portion of CBP segment POCMH. DSS (OPEN) shellfish direct harvesting condemnation # 076-176 C.

VA Overall AU Category: **5A**

Use	Impairment	Impairment	0.08 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**			76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C10E_ZZZ01A06 | **Unsegmented estuaries in C10E-CB7PH.** | ACCOMACK CO NORTHAMPTON CO | Evaluated non segmented portions of C10E not contained within VACB-R01E-CB7S. Portion of CBP segment CB7PH. No DSS shellfish direct harvesting condemnations.

VA Overall AU Category: **5A**

Use	Impairment	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**			76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C10E_ZZZ02A06 | **Unsegmented estuaries in C10E-POCMH.** | ACCOMACK CO | Evaluated non segmented portions of C10E not contained within VACB-R01E-CB7S. Portion of CBP segment POCMH. No DSS shellfish direct harvesting condemnations.

VA Overall AU Category: **5A**

Use	Impairment	Impairment	3.22 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**			76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C10E_ZZZ04A06 | **Unsegmented embayments in C10E-POCOH** | ACCOMACK CO | Evaluated non segmented portions of C10E. Portion of CBP segment POCOH. Portion of DSS shellfish direct harvesting condemnation # 075-033.

VA Overall AU Category: **5A**

Use	Impairment	Impairment	1.22 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**			76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay and Tributaries**

TMDL Group ID: **76068**

VAT-C10E_ZZZ04B06 — **Unsegmented embayments in C10E-POCOH** — ACCOMACK CO

Evaluated non segmented portions of C10E. Portion of CBP segment POCOH. No DSS shellfish direct harvesting condemnation.

VA Overall AU Category: **5A**

Use	Impairment	Impairment	0.21 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**			76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C10E_ZZZ04C06 — **Unsegmented tributaries in C10E-POCOH** — ACCOMACK CO

Evaluated non segmented portions of C10E. Portion of CBP segment POCOH. Portion of DSS shellfish direct harvesting condemnation # 075-033.

VA Overall AU Category: **5A**

Use	Impairment	Impairment	0.00 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**			76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C11E_CED01A00 — **Cedar Creek** — ACCOMACK CO

Entire estuarine portion of creek. North shore tributary of Onancock Creek. Portion of CBP segment CB7PH. DSS shellfish condemnation 080-013 B.

VA Overall AU Category: **5A**

Use	Impairment	Impairment	0.06 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**			76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C11E_CSX01A00 — **Chesconessex Creek - Upper** — ACCOMACK CO

South of Chesconessex and northwest of Onancock. Portion of CBP segment CB7PH. DSS shellfish conedmnation # 079-112.

VA Overall AU Category: **5A**

Use	Impairment	Impairment	0.21 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**			76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay and Tributaries**

TMDL Group ID: **76068**

VAT-C11E_CSX02A06 **Chesconessex Creek - Lower** ACCOMACK CO

Lower portion of Chesconessex Creek, including unsegmented tidal tribs. & Back Cr., from the end DSS condemnation # 079-112 downstream to mouth (RM 0.0). Portion of CBP segment CB7PH. No DSS shellfish direct harvesting condemnation.

VA Overall AU Category: **5A**

Use	Impairment	3.11 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C11E_FNN01A00 **Finneys Creek - Upper** ACCOMACK CO

East of Bailey Neck area. South shore tributary of Onancock Creek. Portion of CBP segment CB7PH. DSS shellfish condemnation # 080-013 A.

VA Overall AU Category: **5A**

Use	Impairment	0.05 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C11E_FNN02A00 **Finneys Creek - Lower** ACCOMACK CO

East of Bailey Neck area. South shore tributary of Onancock Creek. Lower portion of creek, from the end of DSS condemnation # # 080-013 A downstream to mouth. Portion of CBP segment CB7PH. No DSS shellfish direct harvesting condemnation.

VA Overall AU Category: **5A**

Use	Impairment	0.08 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C11E_LTH01A00 **Leatherberry Creek** ACCOMACK CO

Entire estuarine portion of creek. South shore tributary of Onancock Creek. Portion of CBP segment CB7PH. Portion of DSS shellfish condemnation # 081-013C.

VA Overall AU Category: **5A**

Use	Impairment	0.08 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay and Tributaries**

TMDL Group ID: **76068**

VAT-C11E_MTC01A06 | **Matchotank Creek - Upper** | ACCOMACK CO | South of Broadway Neck area. Portion of CBP segment CB7PH. DSS shellfish conedmnation # 080-169 (Effective 2004-01-13).

VA Overall AU Category: **5A**

Use	Impairment	0.09 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C11E_MTC02A06 | **Matchotank Creek - Lower** | ACCOMACK CO | Lower portion of Matchotank Creek, including unsegmented tidal tribs., from the end DSS condemnation # 080-169 downstream to mouth. Portion of CBP segment CB7PH. No DSS shellfish direct harvesting condemnation.

VA Overall AU Category: **5A**

Use	Impairment	0.12 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C11E_OCB01A00 | **Central Branch, Onancock Creek** | ACCOMACK CO | Located near Town of Onancock. Entire Central Branch, Onancock Creek. Portion of CBP segment CB7PH. Portion of DSS shellfish condemnation 081-013C.

VA Overall AU Category: **5A**

Use	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C11E_OCN01A04 | **Onancock Creek - Upper** | ACCOMACK CO | Located near Town of Onancock.From junction of North, Central and South Branches downstream to end of DSS condemnation (RM 3.6) midway between Leatherberry and Cedar Creeks. Portion of CBP segment CB7PH. Portion of DSS shellfish condemnation 081-013C.

VA Overall AU Category: **5A**

Use	Impairment	0.23 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay and Tributaries**

TMDL Group ID: **76068**

VAT-C11E_OCN02A04 | **Onancock Creek Mainstem - Lower** | ACCOMACK CO | Located near Town of Onancock. From midway between Leatherberry and Cedar Creeks downstream to mouth. Portion of CBP segment CB7PH. OPEN DSS shellfish direct harvesting condemnation # 080-013.

VA Overall AU Category: **5A**

Use	Impairment	1.92 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C11E_ONB01A02 | **North Branch, Onancock Creek** | ACCOMACK CO | Located near Town of Onancock. Entire North Branch, Onancock Creek. Portion of CBP segment CB7PH. DSS (ADMINISTRATIVE) shellfish direct harvesting condemnation 081-013 D.

VA Overall AU Category: **5A**

Use	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C11E_OSB01A02 | **South Branch, Onancock Creek** | ACCOMACK CO | Located near Town of Onancock. Entire South Branch, Onancock Creek. Portion of CBP segment CB7PH. Portion of DSS shellfish condemnation 081-013C.

VA Overall AU Category: **5A**

Use	Impairment	0.06 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C11E_PRK01A06 | **Parkers Creek** | ACCOMACK CO | South shore tributary of Onancock Creek at Finneys Neck. Area around marina at mouth of Parkers Creek. Portion of CBP segment CB7PH. DSS shellfish seasonal condemnation # 080-013 M1.

VA Overall AU Category: **5A**

Use	Impairment	0.22 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay and Tributaries**

TMDL Group ID: **76068**

VAT-C11E_TAR01A06 — **Tarkill Creek** — ACCOMACK CO

Located in Sluitkill Neck area. Portion of CBP segment CB7PH. No DSS shellfish direct harvesting condemnation.

VA Overall AU Category: **5A**

Use	Impairment	0.19 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C11E_ZZZ01A00 — **Unsegmented estuaries in C11E.** — ACCOMACK CO, NORTHAMPTON CO

Evaluated non segmented portions of C11E not contained within VACB-R01E-CB7S. Portion of CBP segment CB7PH. No DSS shellfish direct harvesting condemnations.

VA Overall AU Category: **5A**

Use	Impairment	0.24 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C12E_PUN01A06 — **Pungoteague Creek - Upper** — ACCOMACK CO

Located west of Town of Melfa. Upper portion of Pungoteague Cr. from headwaters to confluence with Taylor Creek (RM 2.4), and lower portion of Warehouse Prong. Portion of CBP segment CB7PH. Portion of DSS shellfish condemnation # 081-119 B.

VA Overall AU Category: **5A**

Use	Impairment	0.29 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C12E_PUN02A06 — **Pungoteague Creek - Lower** — ACCOMACK CO

Located west of Town of Melfa. Lower portion of Pungoteague Cr. from confluence with Taylor Creek (RM 2.4) downstream to mouth. Portion of CBP segment CB7PH. OPEN DSS shellfish direct harvesting condemnation # 081-119.

VA Overall AU Category: **5A**

Use	Impairment	1.35 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay and Tributaries**

TMDL Group ID: **76068**

VAT-C12E_TAY01A06 **Taylor Creek** ACCOMACK CO

Located southwest of Harborton. From headwaters to confluence with Pungoteague Cr. Portion of CBP segment CB7PH. Portion of DSS shellfish condemnation # 081-119 C.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.16	SQUARE MILES	76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C12E_UNR01A06 **Underhill Creek** ACCOMACK CO

In area of Mount Nebo. North shore tributary to Pungoteague Cr. Portion of CBP segment CB7PH. DSS shellfish condemnation # 081-119 A. Effective 2004-10-13.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.09	SQUARE MILES	76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C12E_WRP01A06 **Warehouse Prong - Upper** ACCOMACK CO

Located north of Bobtown and east of Boggs Wharf. Upper portion, from headwaters to confluence with UT. Portion of CBP segment CB7PH. DSS (ADMINISTRATIVE) shellfish condemnation # 081-119D.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.04	SQUARE MILES	76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C12E_WRP02A06 **Warehouse Prong - Lower** ACCOMACK CO

Located north of Bobtown and east of Boggs Wharf. Lower portion, from confluence with UT downstream to confluence with Pungoteague Cr. Portion of CBP segment CB7PH. Portion of DSS shellfish condemnation # 081-119 B.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.05	SQUARE MILES	76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay and Tributaries**

TMDL Group ID: **76068**

VAT-C12E_ZZZ01A00 — **Unsegmented estuaries in C12E.** — ACCOMACK CO, NORTHAMPTON CO

Evaluated non segmented portions of C12E not contained within VACB-R01E-CB7S. Portion of CBP segment CB7PH. No DSS shellfish direct harvesting condemnations.

VA Overall AU Category: **5A**

Use	Impairment	0.00 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C13E_CHC01A00 — **Church Creek - Upper** — NORTHAMPTON CO

In area of Elliotts Neck.Tributary to Nassawadox Creek. Portion of CBP segment CB7PH. DSS shellfish condemnation # 085-185.

VA Overall AU Category: **5A**

Use	Impairment	0.09 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C13E_CRA01A06 — **Craddock Creek - Upper** — ACCOMACK CO

North of Scarborough Neck area. Portion of CBP segment CB7PH. DSS shellfish cendemnation # 083-195.

VA Overall AU Category: **5A**

Use	Impairment	0.08 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C13E_HGC01A06 — **Holly Grove Cove** — NORTHAMPTON CO

Located near Wellington Neck. From end of tidal waters downstream to confluence with Nassawadox Cr. Portion of CBP segment CB7PH. DSS shellfish condemnation # 085-110C.

VA Overall AU Category: **5A**

Use	Impairment	0.14 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay and Tributaries**

TMDL Group ID: **76068**

VAT-C13E_KLL01A06 **Kelley Cove** NORTHAMPTON CO

In Occohonnock Neck near James Wharf, trib. to upper Nassawadox Cr. Portion of CBP segment CB7PH. DSS shellfish condemnation # 085-110 A.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.02	SQUARE MILES	76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C13E_NAN01A00 **Nandua Creek - Upper** ACCOMACK CO

Southeast of Hacks Neck area. The two most upstream branches of Nandua Creek and mainstem downstream to area of Nandua (approx. RM 4.5). Includes Kusian Cove. Portion of CBP segment CB7PH. DSS condemnation # 082-160 A.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.15	SQUARE MILES	76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C13E_NAN02A06 **Nandua Creek - Lower** ACCOMACK CO

Lower portion of Nandua Creek including unsegmented tidal tribs., from the confluence of Kusian Cove downstream to mouth (RM 0.0). Portion of CBP segment CB7PH. No DSS shellfish direct harvesting condemnation.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	3.83	SQUARE MILES	76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C13E_NAN03A00 **Nandua Creek - McLean Gut** ACCOMACK CO

Southwest of Fairview Neck area. Shouth shore tributary of middle Nandua Cr. Portion of CBP segment CB7PH. DSS shellfish condemnation # 082-160 C.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.05	SQUARE MILES	76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay and Tributaries**

TMDL Group ID: **76068**

VAT-C13E_NSS01A06 — **Nassawadox Creek - Upper** — NORTHAMPTON CO

From end of tidal waters downstream to approx. 0.25 mi upstream of confluence with Kelly Cove (RM 5.2). Portion of CBP segment CB7PH. DSS condemnation # 085-110 B.

VA Overall AU Category: **5A**

Use	Impairment	0.15 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C13E_NSS02A06 — **Nassawadox Creek - Lower** — NORTHAMPTON CO

From approx. 0.25 mi upstream of confluence with Kelly Cove (RM 5.2) downstream to mouth. Portion of CBP segment CB7PH. No DSS shellfish direct harvesting condemnation.

VA Overall AU Category: **5A**

Use	Impairment	3.83 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C13E_OCH01A06 — **Occohannock Creek - Upper** — ACCOMACK CO, NORTHAMPTON CO

Upper portion of Occohannock Creek and tidal tribs., from end of tidal waters downstream to the confluence of Wescott Cove (RM 5.3). Portion of CBP segment CB7PH. DSS condemnation # 084-043A.

VA Overall AU Category: **5A**

Use	Impairment	0.51 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C13E_OCH02A06 — **Occohannock Creek - Lower** — ACCOMACK CO, NORTHAMPTON CO

Lower portion of Occohannock Creek including tidal tribs., from the confluence of Wescott Cove (RM 5.3) downstream to mouth (RM 0.0). Portion of CBP segment CB7PH. No DSS shellfish direct harvesting condemnation.

VA Overall AU Category: **5A**

Use	Impairment	2.84 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay and Tributaries**

TMDL Group ID: **76068**

VAT-C13E_WHC01A06 **Warehouse Creek - Upper** NORTHAMPTON CO

Southeast fork of upper portion of creek. Portion of CBP segment CB7PH. DSS ADMINISTRATIVE condemnation # 085-110 E (VPDES outfall condemnation for Shore Mem. Hospital STP VA0027537).

VA Overall AU Category: **5A**

Use	Impairment	Impairment	0.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**			76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C13E_WHC02A06 **Warehouse Creek - Middle** NORTHAMPTON CO

Including northern fork and continuing downstream to bend near Wellington Neck. Portion of CBP segment CB7PH. DSS shellfish condemnation # 085-110 D.

VA Overall AU Category: **5A**

Use	Impairment	Impairment	0.15 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**			76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C13E_WHC03A06 **Warehouse Creek - Lower** NORTHAMPTON CO

From bend near Wellington Neck downstream to mouth (confluence with Nassawadox Creek). Portion of CBP segment CB7PH. No DSS shellfish direct harvesting condemnation.

VA Overall AU Category: **5A**

Use	Impairment	Impairment	0.20 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**			76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C13E_ZZZ01A00 **Unsegmented estuaries in C13E.** ACCOMACK CO NORTHAMPTON CO

Evaluated non segmented portions of C13E. Portion of CBP segment CB7PH. No DSS shellfish condemnations.

VA Overall AU Category: **5A**

Use	Impairment	Impairment	2.28 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**			76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay and Tributaries**

TMDL Group ID: **76068**

VAT-C14E_BRL01A06 **Barlow Creek - Upper** NORTHAMPTON CO

In area of Old Town Neck. Portion of CBP segment CB7PH. DSS shellfish condemnation # 086-136D.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.04	SQUARE MILES	76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C14E_HUG01A00 **Hungars Creek - Upper** NORTHAMPTON CO

Upper portion of Hungars Creek from end tidal waters downstream to Waterford Point (RM 1.8) @ confluence with Jacobus Cr. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 086-136 A.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.22	SQUARE MILES	76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C14E_HUG02A00 **Hungars Creek - Lower** NORTHAMPTON CO

Lower portion of Hungars Creek from Waterford Point (RM 1.8) @ confluence with Jacobus Cr. downstream to mouth. Portion of CBP segment CB7PH. No DSS shellfish direct harvesting condemnation .

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	1.19	SQUARE MILES	76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C14E_JAC01A06 **Jacobus Creek - Upper South Fork** NORTHAMPTON CO

West of Johnsontown. Trib to Hungars Cr. Uppermost portion of south branch. Portion of CBP segment CB7PH. DSS Administrative Prohibition # 086-136 E - STP VA0023817 Outfall.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.03	SQUARE MILES	76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay and Tributaries**

TMDL Group ID: **76068**

VAT-C14E_JAC02A06 **Jacobus Creek - Middle and Forks** NORTHAMPTON CO

West of Johnsontown. Trib to Hungars Cr. Middle mainstem, north fork and lower portion of south fork. Portion of CBP segment CB7PH. DSS direct shellfish harvesting condemnation # 086-136 B.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.29	SQUARE MILES	76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C14E_JAC03A06 **Jacobus Creek - Lower** NORTHAMPTON CO

West of Johnsontown. Trib to Hungars Cr. Lower mainstem portion. Portion of CBP segment CB7PH. No DSS direct shellfish harvesting condemnation.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	1.00	SQUARE MILES	76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C14E_MAT01A06 **Mattawoman Creek - Upper** NORTHAMPTON CO

South of Wilsonia Neck. Portion of CBP segment CB7PH. DSS shellfish condemnation # 086-136 C.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.22	SQUARE MILES	76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C14E_THG01A06 **The Gulf - Upper** NORTHAMPTON CO

From end of tidal waters downstream to narrowing 0.45 mi. from mouth. Portion of CBP segment CB7PH. DSS shellfish condemnation # 087-174.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.17	SQUARE MILES	76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay and Tributaries**

TMDL Group ID: **76068**

VAT-C14E_THG02A06 **The Gulf - Lower** NORTHAMPTON CO

From narrowing (end of upstream DSS condemnation) downstream to mouth. Portion of CBP segment CB7PH. No DSS direct shellfish harvesting condemnation.

VA Overall AU Category: **5A**

Use	Impairment	Impairment	0.13 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**			76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C14E_WHS01A06 **Westerhouse Creek - North Branch (Part A)** NORTHAMPTON CO

In Church Neck area, west of Bridgetown. Portion of CBP segment CB7PH. DSS shellfish condemnation # 085-199 A.

VA Overall AU Category: **5A**

Use	Impairment	Impairment	0.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**			76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C14E_WHS02A06 **Westerhouse Creek - South Branch (Part B)** NORTHAMPTON CO

In Church Neck area, west of Bridgetown. Portion of CBP segment CB7PH. DSS shellfish condemnation # 085-199 B.

VA Overall AU Category: **5A**

Use	Impairment	Impairment	0.05 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**			76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C14E_WHS03A06 **Westerhouse Creek - Lower** NORTHAMPTON CO

In Church Neck area, west of Bridgetown. Portion of CBP segment CB7PH. No DSS shellfish direct harvesting condemnation.

VA Overall AU Category: **5A**

Use	Impairment	Impairment	0.18 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**			76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay and Tributaries**

TMDL Group ID: **76068**

VAT-C14E_ZZZ01A00 **Unsegmented estuaries in C14E.** NORTHAMPTON CO

Evaluated non segmented portions of C14E. Portion of CBP segment CB7PH. No DSS shellfish condemnations.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	3.49	SQUARE MILES	76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C15E_CCB01A06 **Cape Charles Beach** NORTHAMPTON CO

Located west of Town of Cape Charles, along Chesapeake Bay. Portion of CBP segment CB7PH. No DSS condemnation.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.05	SQUARE MILES	76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C15E_CRS01A06 **Cherrystone Inlet - Upper** NORTHAMPTON CO

Upper northern branch 1/5 of Inlet, from Eyreville Neck downstream to confluence with Chesapeake Bay. Including Old Castle Cr. Portion of CBP segment CB7PH. DSS condemnation # 088-139A.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.30	SQUARE MILES	76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C15E_CRS02A06 **Cherrystone Inlet - Lower** NORTHAMPTON CO

Lower 4/5 of Inlet, from Eyreville Neck downstream to confluence with Chesapeake Bay. Portion of CBP segment CB7PH. No DSS direct harvesting shellfish condemnation .

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	2.16	SQUARE MILES	76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay and Tributaries**

TMDL Group ID: **76068**

VAT-C15E_KNS01A00 **Kings Creek - Upper Forks** NORTHAMPTON CO

From end of tidal waters downstream to confluence of the two most upstream forks. Portion of CBP segment CB7PH. DSS condemnation # 088-139B.

VA Overall AU Category: **5A**

Use	Impairment	0.07 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C15E_KNS02A00 **Kings Creek - Lower** NORTHAMPTON CO

From confluence of the two most upstream forks downstream to mouth. Portion of CBP segment CB7PH. No DSS shellfish condemnation.

VA Overall AU Category: **5A**

Use	Impairment	0.27 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C16E_CCH01A04 **Cape Charles Harbor - Upper** NORTHAMPTON CO

From most upstream end of harbor downstream to 1/2 distance to mouth (RM 0.23). Portion of CBP segment CB7PH. DSS ADMINISTRATIVE condemnation # 089-011A (VPDES outfall condemnation for Cape Charles STP VA0021288).

VA Overall AU Category: **5A**

Use	Impairment	0.06 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C16E_CCH02A00 **Cape Charles Harbor - Lower** NORTHAMPTON CO

From 1/2 distance to mouth (RM 0.23) downstream to confluence with the Chesapeake Bay (RM 0.0). Portion of CBP segment CB7PH. Portion of DSS ADMINISTRATIVE condemnation # 089-011B (VPDES outfall condemnation for Cape Charles STP VA0021288).

VA Overall AU Category: **5A**

Use	Impairment	0.05 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay and Tributaries**

TMDL Group ID: **76068**

VAT-C16E_KPT01A06 **Kiptopeke Beach** NORTHAMPTON CO

Located west of Cedar Grove, along Chesapeake Bay, near southern tip of Eastern Shore. Portion of CBP segment CB7PH. No DSS condemnations.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.44	SQUARE MILES	76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C16E_OPC01A06 **Old Plantation Creek - Upper** NORTHAMPTON CO

From end of tidal waters downstream to narrows at approx. RM 2.0. Portion of CBP segment CB7PH.
DSS shellfish condemnation # 090-152.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.11	SQUARE MILES	76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C16E_OPC02A00 **Old Plantation Creek - Lower** NORTHAMPTON CO

From narrows at RM 2.0 downstream to mouth. Portion of CBP segment CB7PH. No DSS shellfish condemnation.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	1.00	SQUARE MILES	76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

VAT-C16E_ZZZ01A00 **Unsegmented estuaries in C16E** NORTHAMPTON CO

Evaluated non-segmented estuarine portions of C16. Portion of CBP segment CB7PH. No DSS condemnations.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.80	SQUARE MILES	76068	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs issued 12/13/04.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay Polyhaline Embayments**

TMDL Group ID: **10115**

VAP-C04E_DOC01A98 **Doctors Creek** MATHEWS CO Described in the condemnation notice 039-026B, 3/18/2004.

CB6PH

VA Overall AU Category: **5A**

Use	Impairment (0.01 SQUARE MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	10115	**2006**	**2010**	VAP-C04E-21 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. CB6 Polyhaline failed the open water summer dissolved oxygen criteria.
	Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**	10115	**2006**	**2010**	VAP-C04E-21 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. CB6 Polyhaline failed the open water summer dissolved oxygen criteria.
	Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay Polyhaline Embayments**

TMDL Group ID: **10115**

VAP-C04E_DOC02A02 **Doctors Creek** MATHEWS CO Doctors Creek downstream of VDH-DSS SFC 026B.

CB6PH

VA Overall AU Category: **5A**

Use	Impairment	0.06 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		10115	**2006**	**2010**	VAP-C04E-21 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. CB6 Polyhaline failed the open water summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		10115	**2006**	**2010**	VAP-C04E-21 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. CB6 Polyhaline failed the open water summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay Polyhaline Embayments**

TMDL Group ID: **10115**

VAP-C04E_DYE02A04 **Dyer Creek** MATHEWS CO Tidal limit to mouth

2006: Segment merged with DYE01A98

CB6PH

VA Overall AU Category: **5A**

Use	Impairment	0.28 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		10115	**2006**	**2010**	VAP-C04E-21 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. CB6 Polyhaline failed the open water summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		10115	**2006**	**2010**	VAP-C04E-21 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. CB6 Polyhaline failed the open water summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay Polyhaline Embayments**

TMDL Group ID: **10115**

VAP-C04E_GDN01A06 **Garden Creek** MATHEWS CO Tidal limit to mouth

CB6PH

VA Overall AU Category: **5A**

Use	Impairment	0.58 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		10115	**2006**	**2010**	VAP-C04E-21 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. CB6 Polyhaline failed the open water summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		10115	**2006**	**2010**	VAP-C04E-21 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. CB6 Polyhaline failed the open water summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay Polyhaline Embayments**

TMDL Group ID: **10115**

VAP-C04E_HAH01A98	Horn Harbor	MATHEWS CO	Described in the condemnation notice 039-026A, 3/18/2004. Segment shortened in 2006 CB6PH

VA Overall AU Category: **5A**

Use	Impairment	0.05 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		10115	**2006**	**2010**	VAP-C04E-21 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. CB6 Polyhaline failed the open water summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		10115	**2006**	**2010**	VAP-C04E-21 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. CB6 Polyhaline failed the open water summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay Polyhaline Embayments**

TMDL Group ID: **10115**

VAP-C04E_HAH02A02 **Horn Harbor** MATHEWS CO From SFC 26A downstream to the mouth, unless otherwise segmented.

CB5PH

VA Overall AU Category: **5A**

Use	Impairment (1.56 SQUARE MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	10115	**2006**	**2010**	VAP-C04E-21 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. CB6 Polyhaline failed the open water summer dissolved oxygen criteria.
					Sources: Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)
Open-Water Aquatic Life	**Oxygen, Dissolved**	10115	**2006**	**2010**	VAP-C04E-21 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. CB6 Polyhaline failed the open water summer dissolved oxygen criteria.
					Sources: Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay Polyhaline Embayments**

TMDL Group ID: **10115**

VAP-C04E_HAH03A06 **Horn Harbor** MATHEWS CO Described in VDH-DSS SFC 039-026M1, 3/18/2004

CB5PH

VA Overall AU Category: **5A**

Use	Impairment	0.07 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		10115	**2006**	**2010**	VAP-C04E-21 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. CB6 Polyhaline failed the open water summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		10115	**2006**	**2010**	VAP-C04E-21 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. CB6 Polyhaline failed the open water summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay Polyhaline Embayments**

TMDL Group ID: **10115**

VAP-C04E_HAH04A06 **Horn Harbor** MATHEWS CO Described in VDH Shellfish Condemnation 039-M97, 4/13/1989

CB5PH

VA Overall AU Category: **5A**

Use	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		10115	**2006**	**2010**	VAP-C04E-21 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. CB6 Polyhaline failed the open water summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		10115	**2006**	**2010**	VAP-C04E-21 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. CB6 Polyhaline failed the open water summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay Polyhaline Embayments**

TMDL Group ID: **10115**

VAP-C04E_WIN01A06	Winter Harbor	MATHEWS CO	Described in the condemnation notice 038-178A, 4/29/2004. CB6PH

VA Overall AU Category: **5A**

Use	Impairment	0.11 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		10115	**2006**	**2010**	VAP-C04E-21 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. CB6 Polyhaline failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		10115	**2006**	**2010**	VAP-C04E-21 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. CB6 Polyhaline failed the open water summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay Polyhaline Embayments**

TMDL Group ID: **10115**

VAP-C04E_WIN01B00 **Winter Harbor** MATHEWS CO

Waters within a 1/2 mile radius of monitoring station 7-WIN000.88, not otherwise segmented.

CB6PH

VA Overall AU Category: **5A**

Use	Impairment	0.35 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		10115	**2006**	**2010**	VAP-C04E-21 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. CB6 Polyhaline failed the open water summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		10115	**2006**	**2010**	VAP-C04E-21 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. CB6 Polyhaline failed the open water summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay Polyhaline Embayments**

TMDL Group ID: **10115**

VAP-C04E_WIN02B06 **Winter Harbor** MATHEWS CO Described in VDH-DSS SFC 038-178M1, 4/29/2004

CB6PH

VA Overall AU Category: **5A**

Use	Impairment	0.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		10115	**2006**	**2010**	VAP-C04E-21 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. CB6 Polyhaline failed the open water summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		10115	**2006**	**2010**	VAP-C04E-21 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. CB6 Polyhaline failed the open water summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay Polyhaline Embayments**

TMDL Group ID: **10115**

VAP-C04E_WIN03A06 **Winter Harbor** MATHEWS CO Northern portion of Winter Harbor

CB6PH

VA Overall AU Category: **5A**

Use	Impairment	1.22 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		10115	**2006**	**2010**	VAP-C04E-21 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. CB6 Polyhaline failed the open water summer dissolved oxygen criteria.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		10115	**2006**	**2010**	VAP-C04E-21 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. CB6 Polyhaline failed the open water summer dissolved oxygen criteria.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay Polyhaline Embayments**

TMDL Group ID: **10115**

VAP-C04E_ZZZ02A06	Unsegmented estuaries in C04	MATHEWS CO	Unsegmented portion within CB6PH

VA Overall AU Category: **5A**

Use	Impairment	0.34 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		10115	**2006**	**2010**	VAP-C04E-21 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. CB6 Polyhaline failed the open water summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		10115	**2006**	**2010**	VAP-C04E-21 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. CB6 Polyhaline failed the open water summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay Polyhaline Embayments**

TMDL Group ID: **10116**

VAP-C04E_DOC01A98	**Doctors Creek**	MATHEWS CO	Described in the condemnation notice 039-026B, 3/18/2004. CB6PH

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10116	**2006**	**2010**	VAP-C04E-21 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. CB6 Polyhaline failed the SAV acreage standards.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10116	**2006**	**2010**	VAP-C04E-21 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. CB6 Polyhaline failed the SAV acreage standards.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay Polyhaline Embayments**

TMDL Group ID: **10116**

VAP-C04E_DOC02A02	**Doctors Creek**	MATHEWS CO	Doctors Creek downstream of VDH-DSS SFC 026B. CB6PH

VA Overall AU Category: **5A**

Use	Impairment	0.06 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10116	**2006**	**2010**	VAP-C04E-21 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. CB6 Polyhaline failed the SAV acreage standards.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10116	**2006**	**2010**	VAP-C04E-21 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. CB6 Polyhaline failed the SAV acreage standards.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay Polyhaline Embayments**

TMDL Group ID: **10116**

VAP-C04E_DYE02A04 **Dyer Creek** MATHEWS CO Tidal limit to mouth

2006: Segment merged with DYE01A98

CB6PH

VA Overall AU Category: **5A**

Use	Impairment	0.28 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10116	**2006**	**2010**	VAP-C04E-21 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. CB6 Polyhaline failed the SAV acreage standards.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Clean Sediments
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sediment Resuspension (Clean Sediment)
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10116	**2006**	**2010**	VAP-C04E-21 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. CB6 Polyhaline failed the SAV acreage standards.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Clean Sediments
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sediment Resuspension (Clean Sediment)
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay Polyhaline Embayments**

TMDL Group ID: **10116**

VAP-C04E_GDN01A06	**Garden Creek**	MATHEWS CO	Tidal limit to mouth
			CB6PH

VA Overall AU Category: **5A**

Use	Impairment	0.58 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10116	**2006**	**2010**	VAP-C04E-21 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. CB6 Polyhaline failed the SAV acreage standards.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10116	**2006**	**2010**	VAP-C04E-21 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. CB6 Polyhaline failed the SAV acreage standards.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay Polyhaline Embayments**

TMDL Group ID: **10116**

VAP-C04E_HAH01A98	**Horn Harbor**	MATHEWS CO	Described in the condemnation notice 039-026A, 3/18/2004. Segment shortened in 2006 CB6PH

VA Overall AU Category: **5A**

Use	Impairment	0.05 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10116	**2006**	**2010**	VAP-C04E-21 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. CB6 Polyhaline failed the SAV acreage standards.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**	10116	**2006**	**2010**	VAP-C04E-21 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. CB6 Polyhaline failed the SAV acreage standards.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay Polyhaline Embayments**

TMDL Group ID: **10116**

VAP-C04E_HAH02A02	**Horn Harbor**	MATHEWS CO	From SFC 26A downstream to the mouth, unless otherwise segmented. CB5PH

VA Overall AU Category: **5A**

Use	Impairment	1.56 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10116	**2006**	**2010**	VAP-C04E-21 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. CB6 Polyhaline failed the SAV acreage standards.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10116	**2006**	**2010**	VAP-C04E-21 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. CB6 Polyhaline failed the SAV acreage standards.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay Polyhaline Embayments**

TMDL Group ID: **10116**

VAP-C04E_HAH03A06 **Horn Harbor** MATHEWS CO Described in VDH-DSS SFC 039-026M1, 3/18/2004

CB5PH

VA Overall AU Category: **5A**

Use	Impairment	0.07 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10116	**2006**	**2010**	VAP-C04E-21 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. CB6 Polyhaline failed the SAV acreage standards.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10116	**2006**	**2010**	VAP-C04E-21 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. CB6 Polyhaline failed the SAV acreage standards.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay Polyhaline Embayments**

TMDL Group ID: **10116**

VAP-C04E_HAH04A06 **Horn Harbor** MATHEWS CO Described in VDH Shellfish Condemnation 039-M97, 4/13/1989

CB5PH

VA Overall AU Category: **5A**

Use	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10116	**2006**	**2010**	VAP-C04E-21 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. CB6 Polyhaline failed the SAV acreage standards.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10116	**2006**	**2010**	VAP-C04E-21 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. CB6 Polyhaline failed the SAV acreage standards.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay Polyhaline Embayments**

TMDL Group ID: **10116**

VAP-C04E_WIN01A06 **Winter Harbor** MATHEWS CO Described in the condemnation notice 038-178A, 4/29/2004.

CB6PH

VA Overall AU Category: **5A**

Use	Impairment	0.11 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10116	**2006**	**2010**	VAP-C04E-21 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. CB6 Polyhaline failed the SAV acreage standards during the 2006 cycle.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10116	**2006**	**2010**	VAP-C04E-21 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. CB6 Polyhaline failed the SAV acreage standards.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay Polyhaline Embayments**

TMDL Group ID: **10116**

VAP-C04E_WIN01B00	**Winter Harbor**	MATHEWS CO	Waters within a 1/2 mile radius of monitoring station 7-WIN000.88, not otherwise segmented. CB6PH

VA Overall AU Category: **5A**

Use	Impairment	0.35 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10116	**2006**	**2010**	VAP-C04E-21 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. CB6 Polyhaline failed the SAV acreage standards.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10116	**2006**	**2010**	VAP-C04E-21 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. CB6 Polyhaline failed the SAV acreage standards.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay Polyhaline Embayments**

TMDL Group ID: **10116**

VAP-C04E_WIN02B06 **Winter Harbor** MATHEWS CO Described in VDH-DSS SFC 038-178M1, 4/29/2004

CB6PH

VA Overall AU Category: **5A**

Use	Impairment	0.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10116	**2006**	**2010**	VAP-C04E-21 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. CB6 Polyhaline failed the SAV acreage standards.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10116	**2006**	**2010**	VAP-C04E-21 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. CB6 Polyhaline failed the SAV acreage standards.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay Polyhaline Embayments**

TMDL Group ID: **10116**

VAP-C04E_WIN03A06 **Winter Harbor** MATHEWS CO Northern portion of Winter Harbor

CB6PH

VA Overall AU Category: **5A**

Use	Impairment	1.22 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10116	**2006**	**2010**	VAP-C04E-21 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. CB6 Polyhaline failed the SAV acreage standards.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10116	**2006**	**2010**	VAP-C04E-21 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. CB6 Polyhaline failed the SAV acreage standards.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Bay Polyhaline Embayments**

TMDL Group ID: **10116**

VAP-C04E_ZZZ02A06	Unsegmented estuaries in C04	MATHEWS CO	Unsegmented portion within CB6PH

VA Overall AU Category: **5A**

Use	Impairment	0.34 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10116	**2006**	**2010**	VAP-C04E-21 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. CB6 Polyhaline failed the SAV acreage standards.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10116	**2006**	**2010**	VAP-C04E-21 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. CB6 Polyhaline failed the SAV acreage standards.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chesapeake Creek, Unnamed Tributary**

TMDL Group ID: **00975**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-C01E_XDL01A02	**Chesapeake Bay, UT**	NORTHUMBERLAND CO	As described in condemnation notice 011-190, 2/18/2004. CB5MH. Size adjusted in 2006 cycle.

VA Overall AU Category: **5A**

Use	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		00975	**2002**	**2014**	00975 (SF) VAP-C01E-21 VDH-DSS condemnation notice 011-190, 2/18/2004.

Sources: Source Unknown

TMDL Watershed Name: **Chesconessex Creek - Upper**

TMDL Group ID: **01760**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAT-C11E_CSX01A00	**Chesconessex Creek - Upper**	ACCOMACK CO	South of Chesconessex and northwest of Onancock. Portion of CBP segment CB7PH. DSS shellfish conedmnation # 079-112.

VA Overall AU Category: **5A**

Use	Impairment	0.21 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01760	**1998**	**2010**	DSS shellfish conedmnation # 079-112.

Sources: Source Unknown

TMDL Watershed Name: **Chisman Creek**

TMDL Group ID: **76002**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAT-C07E_CHS01A06	**Chisman Creek-Upper & Goose Cr**	POQUOSON CITY CITY	From end of tidal waters (upper 2/3 of creek), downstream to area of Evergreen Shores (approx. RM 0.9). CBP Segment MOBPH. DSS condemnation # 053-137A.

VA Overall AU Category: **5A**

Use	Impairment	0.51 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Enterococcus**		76002	**2006**	**2018**	The Recreation Use is impaired (2 violates / 13 obs.) due to exceedance of the instantaneous criteria for Enterococcus bacteria.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Chisman Creek**

TMDL Group ID: **76002**

VAT-C07E_CHS02A06 **Chisman Creek-Lower North Shore (Marina)** POQUOSON CITY CITY

North shore of creek, area of Cheeseman. Contains DSS seasonal condemnation # 053-137 M2. CBP Segment MOBPH.

VA Overall AU Category: **5A**

Use	Impairment	0.09 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Enterococcus**		76002	**2006**	**2018**	The Recreation Use is impaired (2 violates / 13 obs.) due to exceedance of the instantaneous criteria for Enterococcus bacteria.

Sources: Source Unknown

VAT-C07E_CHS02B06 **Chisman Creek - Lower** POQUOSON CITY CITY

Lower 1/3 of creek, downstream from area of Evergreen Shores (RM 0.9) to mouth. CBP Segment MOBPH. DSS (OPEN) condemnation # 053-137.

VA Overall AU Category: **5A**

Use	Impairment	0.64 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Enterococcus**		76002	**2006**	**2018**	The Recreation Use is impaired (2 violates / 13 obs.) due to exceedance of the instantaneous criteria for Enterococcus bacteria.

Sources: Source Unknown

TMDL Watershed Name: **Chisman Creek, Lower**

TMDL Group ID: **01209**

VAT-C07E_CHS01A06 **Chisman Creek-Upper & Goose Cr** POQUOSON CITY CITY

From end of tidal waters (upper 2/3 of creek), downstream to area of Evergreen Shores (approx. RM 0.9). CBP Segment MOBPH. DSS condemnation # 053-137A.

VA Overall AU Category: **5A**

Use	Impairment	0.51 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01209	**2004**	**2010**	

Sources: Source Unknown

TMDL Watershed Name: **Church Creek - Upper**

TMDL Group ID: **00409**

VAT-C13E_CHC01A00 **Church Creek - Upper** NORTHAMPTON CO

In area of Elliotts Neck.Tributary to Nassawadox Creek. Portion of CBP segment CB7PH. DSS shellfish condemnation # 085-185.

VA Overall AU Category: **5A**

Use	Impairment	0.09 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		00409	**1998**	**2010**	DSS shellfish condemnation # 085-185.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Cloverdale Creek**

TMDL Group ID: **00950**

VAP-C01E_CLE01A98 **Cloverdale Creek** NORTHUMBERLAND CO Described in the condemnation notice 014-124A, 5/15/2001.

CB5MH.

VA Overall AU Category: **5A**

Use	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		00950	**1998**	**2010**	00950 (SF) VAP-C01E-13 VDH-DSS Shellfish Condemnation Number 014-124A, 5/15/2001.

Sources: Source Unknown

TMDL Watershed Name: **Cobbs Creek**

TMDL Group ID: **00195**

VAP-C03E_COB01A02 **Cobbs Creek** MATHEWS CO As described in the condemnation notice 170, 3/2/1993.

PIAMH.

VA Overall AU Category: **5D**

Use	Impairment	0.05 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		00195	**2002**	**2005**	Cat 4A for Shellfish 00195 (SF) VAP-C03E-11 VDH-DSS Condemnation 170, 3/2/1993 This segment was originally listed in 1998 as not supporting for the Shellfish Use based on VDH-DSS Shellfish Condemnation 170, 3/2/1993. Piankatank River, Lower Watershed TMDL Report for Shellfish Condemnation Areas Listed Due to Bacteria Contamination was completed and EPA approved on 11/15/2005. However, the EPA TMDL ID was not available for the 2006 cycle, therefore this segment will be assessed as Cat 4A.

Sources: Non-Point Source

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Cobbs Creek**

TMDL Group ID: **15006**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-C03E_COB02A02	**Cobbs Creek**	MATHEWS CO	As described in VDH-DSS SFC No. 034-170, 10/13/2003, not otherwise segmented. PIAMH.

VA Overall AU Category: **5A**

Use	Impairment	0.05 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		15006	**2006**	**2018**	15006 (SF) VAP-C03E-12 VDH-DSS Condemnation 034-170, 10/13/2003 The upper portion of Cobbs Creek was originally listed in 1998 based on VDH-DSS Shellfish Condemnation 170, 3/2/1993. Piankatank River, Lower Watershed TMDL Report for Shellfish Condemnation Areas Listed Due to Bacteria Contamination was completed and EPA approved on 11/15/2005. Cobbs Creek condemnation area was later expanded. In the 2006 cycle, this segment was assessed as not supporting for the Shellfish Use.

Sources: Source Unknown

TMDL Watershed Name: **Cockrell Creek**

TMDL Group ID: **00951**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-C01E_COC01A98	**Cockrell Creek**	NORTHUMBERLAND CO	As described in VDH-DSS Shellfish Condemnation No. 012-002B, 11/15/2004. Merged segment COC02A98 into this segment in 2006, then deleted it. Area adjusted. CB5MH. Size adjusted 2006.

VA Overall AU Category: **5A**

Use	Impairment	0.61 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		00951	**1998**	**2010**	00951 (SF) VAP-C01E-08 VDH-DSS Shellfish Condemnation Notice 012-002B, 11/15/2004.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Cockrell Creek**

TMDL Group ID: **00951**

VAP-C01E_COC04A98	**Cockrell Creek**	NORTHUMBERLAND CO	From the downstream boundary of VDH-DSS Condemnation Notice 012-002A & C, 11/15/2004, to the mouth. Area decreased in 2006 cycle. CB5MH.

VA Overall AU Category: **5A**

Use	Impairment	0.43 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		00951	**1998**	**2010**	00951 (SF) VAP-C01E-08 VDH-DSS Shellfish Condemnation Notice 012-002A, 11/15/2004. Area decreased in 2006 cycle.

Sources: Source Unknown

TMDL Watershed Name: **Craddock Creek - Upper**

TMDL Group ID: **00391**

VAT-C13E_CRA01A06	**Craddock Creek - Upper**	ACCOMACK CO	North of Scarborough Neck area. Portion of CBP segment CB7PH. DSS shellfish cendemnation # 083-195.

VA Overall AU Category: **5A**

Use	Impairment	0.08 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		00391	**1998**	**2010**	DSS shellfish cendemnation # 083-195.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Crystal Lake**

TMDL Group ID: **01222**

VAT-C08E_CRY01A00	**Crystal Lake**	VIRGINIA BEACH CITY	Includes Rainey Gut. Located in North Linkhorn Park area in Virginia Beach. East of Lynnhaven River. Portion of CBP segment LYNPH. Portion of DSS shellfish direct harvesting condemnation #071-025 C (balance in VAT-C08E_DEY01A00, _LKN01A00 & _CRY01A00).

VA Overall AU Category: **5D**

Use	Impairment	0.13 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01222	**1998**	**2004**	Category 4A. EPA approved 12/02/2004. Portion of DSS condemnation #071-025 C (balance in VAT-C08E_LKN01A00 & CRY01A00). A TMDL has been completed and EPA approved (Category 4A) in 2004.

Sources: Discharges from Municipal Separate Storm Sewer Systems (MS4)
Municipal (Urbanized High Density Area)
Natural Sources
Non-Point Source
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)

TMDL Watershed Name: **Davenport Creek**

TMDL Group ID: **00954**

VAP-C01E_DVN01A04	**Davenport Creek**	LANCASTER CO	Described in VDH Shellfish Condemnation 017-188B, 7/13/2004 CB5MH

VA Overall AU Category: **5A**

Use	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		00954	**2004**	**2016**	VAP-C01E-34, VDH Shellfish Condemnation 188B, 7/13/2004

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Davis Creek**

TMDL Group ID: **00998**

VAP-C04E_DAV01A98	**Davis Creek**	GLOUCESTER CO	Described in the condemnation notice 042-131B, 9/17/2004. Size extended in 2004 cycle. MOBPH

VA Overall AU Category: **5A**

Use	Impairment	0.07 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		00998	**2002**	**2014**	VAP-C04E-12 VDH-DSS SFC Number 042-131B, 9/17/2004

Sources: Source Unknown

TMDL Group ID: **01000**

VAP-C04E_DVS01A98	**Davis Creek**	MATHEWS CO	Described in the condemnation notice 040-085B, 12/27/2004 Size increased in 2006 cycle. MOBPH

VA Overall AU Category: **5A**

Use	Impairment	0.08 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01000	**1998**	**2010**	VAP-C04E-15 VDH-DSS SFC Number 040-085B, 12/27/2004

Sources: Source Unknown

TMDL Watershed Name: **Deep Creek**

TMDL Group ID: **76010**

VAT-C10E_DEP01A06	**Deep Creek - Upper**	ACCOMACK CO	East of town of Bayside. Upper portion of creek, from end of tidal waters downstream to approx. RM 1.6. Portion of CBP segment CB7PH. DSS Shellfish condemnation # 077-138 A.

VA Overall AU Category: **5A**

Use	Impairment	0.16 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Enterococcus**		76010	**2006**	**2018**	The Recreation Use is impaired (2 violate / 9 obs.) due to exceedance of the instantaneous criteria for Enterococcus bacteria.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Deep Creek**

TMDL Group ID: **76010**

VAT-C10E_DEP02A06	Deep Creek - Lower	ACCOMACK CO	East of town of Bayside. Lower portion of creek, from RM 1.6 downstream to mouth. Portion of CBP segment CB7PH. DSS (OPEN) Shellfish condemnation # 077-138.

VA Overall AU Category: **5A**

Use	Impairment	1.10 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Enterococcus**		76010	**2006**	**2018**	The Recreation Use is impaired (2 violate / 9 obs.) due to exceedance of the instantaneous criteria for Enterococcus bacteria.

Sources: Source Unknown

TMDL Watershed Name: **Deep Creek - Upper**

TMDL Group ID: **00394**

VAT-C10E_DEP01A06	Deep Creek - Upper	ACCOMACK CO	East of town of Bayside. Upper portion of creek, from end of tidal waters downstream to approx. RM 1.6. Portion of CBP segment CB7PH. DSS Shellfish condemnation # 077-138 A.

VA Overall AU Category: **5A**

Use	Impairment	0.16 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		00394	**1998**	**2010**	DSS Shellfish condemnation # 077-138 A. May be related to Recreation impairment due to Enterococcus bacteria in this and downstream segment.

Sources: Source Unknown

TMDL Watershed Name: **Dey Cove & Milldam Creek**

TMDL Group ID: **01223**

VAT-C08E_DEY01A00	Dey Cove/Mill Dam Creek	VIRGINIA BEACH CITY	Located attached to west shore of Broad Bay Colony area of VB. East of Lynnhaven River. Portion of CBP segment LYNPH. Portion of DSS shellfish direct harvesting condemnation #071-025 C (balance in VAT-C08E_CRY01A00, _LKN01A00 & _LON01A00).

VA Overall AU Category: **5D**

Use	Impairment	0.08 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01223	**1998**	**2004**	Category 4A. EPA approved 12/02/2004. Portion of DSS condemnation #071-025 C (balance in VAT-C08E_LKN01A00 & CRY01A00). A TMDL has been completed and EPA approved (Category 4A) in 2004.

Sources: Discharges from Municipal Separate Storm Sewer Systems (MS4)
Municipal (Urbanized High Density Area)
Natural Sources
Non-Point Source
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Dividing Creek (22A)**

TMDL Group ID: **00953**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-C01E_DIV01A98	**Dividing Creek**	NORTHUMBERLAND CO	Described in the VDH-DSS SF condemnation notice 015-022A, 4/25/2003. CB5MH. This segment decreased in size for 2006; Lawrence Cove was separated into segment LRC01A06.

VA Overall AU Category: **5A**

Use	Impairment	0.23 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		00953	**1998**	**2010**	00953 (SF) VAP-C01E-15 VDH-DSS Shellfish Condemnation Notice 015-22A, 4/25/2003

Sources: Source Unknown

TMDL Watershed Name: **Dividing Creek, Unnamed Cove (22B)**

TMDL Group ID: **00976**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-C01E_XUC01A98	**Unnamed Cove of Dividing Creek**	NORTHUMBERLAND CO	Described in the condemnation notice 015-022C, 4/25/2003. CB5MH.

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		00976	**1998**	**2010**	00976 (SF) VAP-C01E-18 VDH-DSS Shellfish Condemnation Notice 015-022C, 4/25/2003

Sources: Source Unknown

TMDL Watershed Name: **Doctors Creek**

TMDL Group ID: **00999**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-C04E_DOC01A98	**Doctors Creek**	MATHEWS CO	Described in the condemnation notice 039-026B, 3/18/2004. CB6PH

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		00999	**1998**	**2010**	VAP-C04E-19 (SF) VDH-DSS SFC Number 039-026B, 3/18/2004

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Dragon Run**

TMDL Group ID: **00982**

VAP-C02R_DRN02A04	Dragon Swamp	ESSEX CO MIDDLESEX CO	Headwaters to Route 602 bridge. Segment length adjusted in 2006.

VA Overall AU Category: **5A**

Use	Impairment	19.61 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		00982	**2004**	**2016**	VAP-C02R-02

In 2006, Dragon Swamp continued to have violations of dissolved oxygen and pH standards at 7-DRN024.19. The violation rate for DO was 6/15; the violation rate for pH was 6/15. The violations were considered to be due to natural conditions of upstream swamps, therefore was assessed as Cat. 5C.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

TMDL Group ID: **00983**

VAP-C02R_DRN02A04	Dragon Swamp	ESSEX CO MIDDLESEX CO	Headwaters to Route 602 bridge. Segment length adjusted in 2006.

VA Overall AU Category: **5A**

Use	Impairment	19.61 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		00983	**2004**	**2016**	VAP-C02R-02

In 2006, Dragon Swamp continued to have violations of dissolved oxygen and pH standards at 7-DRN024.19. The violation rate for DO was 6/15; the violation rate for pH was 6/15. The violations were considered to be due to natural conditions of upstream swamps, therefore was assessed as Cat. 5C.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

TMDL Watershed Name: **Dragon Run, Dragon Swamp**

TMDL Group ID: **00981**

VAP-C02R_DRN01A98	Dragon Swamp	GLOUCESTER CO MIDDLESEX CO	From the Route 602 bridge (rm 15.08) to the tidal limits. Segment extended in 2006 to incorporate 2004 segment VAP-C02R_DRN03A04, which was deleted.

VA Overall AU Category: **5A**

Use	Impairment	11.57 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		00981	**2002**	**2014**	VAP-C02R-01

For the 2006 cycle, there was a pH standards violation rate of 7/38 at station 7-DRN010.48. The low pH is believed to be due to natural conditions from upstream swamps. This segment will be assessed as Cat 5C.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Dragon Swamp**

TMDL Group ID: **00980**

VAP-C02E_DRN01A02	Dragon Swamp	GLOUCESTER CO MIDDLESEX CO	The tidal portion of Dragon Swamp. PIAMH.

VA Overall AU Category: **5A**

Use	Impairment	1.11 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		00980	**1998**	**2010**	00980 (SF) VAP-C03E-02 VDH Shellfish Condemnation 035-076A, 9/3/2004. VDH Shellfish Condemnations for the Upper Piankatank River and Harpers Creek were previously separated as areas 076A and 076B (5/24/1999). In September 2004, the condemnation area expanded so that Harpers Creek is now a portion of the Upper Pianaktank River.

Sources: Source Unknown

TMDL Watershed Name: **Dragon Swamp, Piankatank River Watersheds - Mercury**

TMDL Group ID: **00978**

VAP-C02E_DRN01A02	Dragon Swamp	GLOUCESTER CO MIDDLESEX CO	The tidal portion of Dragon Swamp. PIAMH.

VA Overall AU Category: **5A**

Use	Impairment	1.11 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**Mercury in Fish Tissue**		00978	**2004**	**2016**	00978 (Hg) VAP-C02R-03 VDH issued a fish consumption advisory due to elevated levels of mercury in fish tissue of largemouth bass. In July 2005, VDH extended the riverine waterbody boundaries to include the entire length of Dragon Swamp from the headwaters downstream to the tidal limits. This segment of the Dragon Swamp was also considered impaired for the Fish Consumption Use due to elevated levels of mercury found in the fish tissue of largemouth bass and chain pickerel at 7-DRN003.40. In addition, there were observed effects for mercury and arsenic at 7-DRN001.43, however arsenic was not considered an impairing cause.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Dragon Swamp, Piankatank River Watersheds - Mercury**

TMDL Group ID: **00978**

VAP-C02R_DRN01A98 **Dragon Swamp** GLOUCESTER CO, MIDDLESEX CO

From the Route 602 bridge (rm 15.08) to the tidal limits. Segment extended in 2006 to incorporate 2004 segment VAP-C02R_DRN03A04, which was deleted.

VA Overall AU Category: **5A**

Use	Impairment	11.57 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**Mercury in Fish Tissue**		00978	**2006**	**2016**	VAP-C02R-01, VAP-C02R-03 VDH Fish Consumption Restriction Dragon Swamp is considered impaired for the Fish Consumption Use due to elevated levels of Mercury found in the fish tissue at station 7-DRN015.09. Fish tissue analyses also indicated there were observed effects for Arsenic. VDH issued a fish consumption advisory due to elevated levels of mercury in fish tissue of largemouth bass. In July 2005, VDH extended the riverine waterbody boundaries to include the entire length of Dragon Swamp from the headwaters downstream to the tidal limits. In 2006, this segment was increased to include 2004 VAP-C02R_DRN03A04.

Sources: Source Unknown

VAP-C02R_DRN02A04 **Dragon Swamp** ESSEX CO, MIDDLESEX CO

Headwaters to Route 602 bridge. Segment length adjusted in 2006.

VA Overall AU Category: **5A**

Use	Impairment	19.61 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**Mercury in Fish Tissue**		00978	**2006**	**2016**	00978 (Fish Advisory) VAP-C02R-03 This segment was assessed as not supporting for the Fish Consumption Use based on Fish tissue analyses at 7-DRN023.41, which indicated an elevated level of mercury in fish tissue. In addition, this segment was also assessed for an observed effect for arsenic. In July 2005, VDH extended the Fish Consumption Advisory waterbody boundaries to include the entire length of Dragon Swamp from the headwaters near Rt. 620 downstream to the Deep Point Boat Landing. The segment is impaired due to elevated levels of mercury found in the fish tissue of largemouth bass.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Dragon Swamp, Piankatank River Watersheds - Mercury**

TMDL Group ID: **00978**

VAP-C03E_PNK01A02	**Piankatank River**	GLOUCESTER CO MIDDLESEX CO	Watershed limit to Deep Point Boat Landing. Part of VDH-DSS SFC No. 035-076A, 9/3/2004. PIAMH.

VA Overall AU Category: **5A**

Use	Impairment	2.22 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**Mercury in Fish Tissue**		00978	**2004**	**2016**	00978 (Hg) VAP-C02R-03 VDH issued a fish consumption advisory due to elevated levels of mercury in fish tissue of largemouth bass. In July 2005, VDH extended the riverine waterbody boundaries to include the entire length of Dragon Swamp from the headwaters downstream to Deep Point Boat Landing on the Piankatank River (near Rt. 606). Fish tissue analysis from stations 7-PNK017.47 and 7-PNK020.42 were assessed with observed effects for mercury and arsenic, however arsenic was not assessed as an impairing cause.

Sources: Source Unknown

TMDL Watershed Name: **DSS Inlet #2-Unnamed Inlet of Back River**

TMDL Group ID: **01808**

VAT-C07E_INB01A04	**DSS Inlet #2-Unnamed Inlet of Back River**	HAMPTON CITY	South shore trib. to mainstem Back R.Located in unnamed inlet west of Dandy Point. On south shore of Back River, southwest of mouth and east of Harris R. DSS condemnation # 054-215B (effective 2004-06-02). CBP Segment MOBPH.

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01808	**2006**	**2016**	DSS condemnation # 054-215B (effective 2004-06-02). Previously in 2004 IR was # 054-021H - effective 2002-06-25).

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Dymer Creek**

TMDL Group ID: **00955**

VAP-C01E_DYM01A98	**Dymer Creek**	LANCASTER CO	Described in the condemnation notice 016-24A, 1/6/2004. Area expanded in 2006 cycle. CB5MH.

VA Overall AU Category: **5A**

Use	Impairment	0.23 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		00955	**1998**	**2010**	00955 (SF) VAP-C01E-24 VDH-DSS Shellfish Condemnation Notice 016-024A, 1/6/2004. This area expanded to 0.23 sq .mi. in 2006.

Sources: Source Unknown

TMDL Watershed Name: **East River**

TMDL Group ID: **01003**

VAP-C04E_EST01A98	**East River**	MATHEWS CO	Described in the condemnation notice 092, 7/7/2003. Size decreased in 2006 cycle. MOBPH

VA Overall AU Category: **5A**

Use	Impairment	0.14 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01003	**1998**	**2010**	VAP-C04E-13 VDH-DSS SFC Number 92, 7/7/2003

Sources: Source Unknown

TMDL Watershed Name: **East River, East Shore**

TMDL Group ID: **01004**

VAP-C04E_EST04A02	**East River, UT**	MATHEWS CO	As described in condemnation notice 041-212B, 9/15/2004. MOBPH

VA Overall AU Category: **5A**

Use	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01004	**2002**	**2014**	VAP-C04E-27 VDH-DSS Shellfish condemnation 041-212B, 9/15/2004

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Easton Cove/Floyds Bay**

TMDL Group ID: **01752**

VAT-C07E_EAS01A06	**Easton Cove/Floyds Bay**	POQUOSON CITY CITY	Located in southeast corner of Bennett Cr, trib to Poquoson River. Area of York Haven Anchorage. Includes Easton Cove and Floyds Bay. DSS shellfish condemnation # 053-137I (Effective 2004-04-26). CBP Segment MOBPH.

VA Overall AU Category: **5A**

Use	Impairment	0.18 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01752	**2006**	**2018**	DSS shellfish condemnation # 053-137I. Effective 2004-04-26.

Sources: Source Unknown

TMDL Watershed Name: **Edwards Creek**

TMDL Group ID: **01001**

VAP-C04E_EDW01A98	**Edwards Creek**	MATHEWS CO	Described in the condemnation notice 197A, 2/19/2003. PIAMH

VA Overall AU Category: **5A**

Use	Impairment	0.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01001	**1998**	**2010**	VAP-C04E-03 VDH-DSS SFC Number 197A, 2/19/2003

Sources: Source Unknown

TMDL Watershed Name: **Elmington Creek**

TMDL Group ID: **01002**

VAP-C04E_ELM01A98	**Elmington Creek**	GLOUCESTER CO	Described in the condemnation notice 042-157B, 9/17/2004. Size increased in 2006 cycle. MOBPH

VA Overall AU Category: **5A**

Use	Impairment	0.07 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01002	**1998**	**2010**	VAP-C04E-09 VDH-DSS SFC Number 042-157B, 9/17/2004

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Exol Swamp**

TMDL Group ID: **15016**

VAP-C02R_EXE01A06	Exol Swamp	KING AND QUEEN CO	Headwaters downstream to mouth at Dragon Swamp.

VA Overall AU Category: **5A**

Use	Impairment	13.42 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		15016	**2006**	**2018**	15016 (pH) VAP-C02R-04 This segment was assessed as not supporting for Aquatic Life Use due to violations in the standards for dissolved oxygen and pH. The violation rate for DO was 3/11, and the pH violation rate was 2/11.

Sources: Source Unknown

TMDL Group ID: **15017**

VAP-C02R_EXE01A06	Exol Swamp	KING AND QUEEN CO	Headwaters downstream to mouth at Dragon Swamp.

VA Overall AU Category: **5A**

Use	Impairment	13.42 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		15017	**2006**	**2018**	15017 (DO) VAP-C02R-04 This segment was assessed as not supporting for Aquatic Life Use due to violations in the standards for dissolved oxygen and pH. The violation rate for DO was 3/11, and the pH violation rate was 2/11.

Sources: Source Unknown

TMDL Watershed Name: **Ferry Creek**

TMDL Group ID: **00986**

VAP-C03E_FER01A98	Ferry Creek	GLOUCESTER CO	Described in the condemnation notice 035-171, 6/9/1998. PIAMH.

VA Overall AU Category: **5A**

Use	Impairment	0.09 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		00986	**1998**	**2010**	00986 (SF) VAP-C03E-04 VDH-DSS Shellfish Condemnation Notice 035-171, 6/9/1998

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Finney Creek, Upper**

TMDL Group ID: **01459**

VAT-D03E_FNC01A04 **Finney Creek - Upper** ACCOMACK CO

Tributary to Hummock Cove, station located near Locustville. Upper portion upstream of widening (approx, RM 2.38). No DSS shellfish condemnation.

VA Overall AU Category: **5A**

Use	Impairment	0.00 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		01459	**2004**	**2016**	The Recreatiion Use is impaired due to exceedance (3 violates / 10 obs.) of the criteria for Fecal Coliform bacteria.

Sources: Source Unknown

TMDL Watershed Name: **Finneys Creek, Upper**

TMDL Group ID: **00275**

VAT-C11E_FNN01A00 **Finneys Creek - Upper** ACCOMACK CO

East of Bailey Neck area. South shore tributary of Onancock Creek. Portion of CBP segment CB7PH. DSS shellfish condemnation # 080-013 A.

VA Overall AU Category: **5A**

Use	Impairment	0.05 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		00275	**1998**	**2010**	DSS shellfish condemnation # 080-013 A.

Sources: Source Unknown

TMDL Watershed Name: **Folly Creek**

TMDL Group ID: **76020**

VAT-D03E_FLL01A00 **Folly Creek - Upper** ACCOMACK CO

Tributary to Metomkin Bay. Upper estuarine portion of Folly Creek, from end of tidal downstream to end of shellfish condemnation (approx. RM 3.5). DSS shellfish condemnation # 097-173.

VA Overall AU Category: **5A**

Use	Impairment	0.25 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		76020	**2006**	**2018**	Evaluated from downstream DEQ station @ 7-FLL002.46. The Aquatic Life use is impaired due to dissolved oxygen concentrations (3 violates / 28 obs.) below the criteria minimum (4.0 mg/l).

Sources: Source Unknown

VAT-D03E_FLL02A00 **Folly Creek - Lower** ACCOMACK CO

Lower estuarine portion of Folly Creek, tributary to Metomkin Bay. No DSS shellfish condemnation.

VA Overall AU Category: **5A**

Use	Impairment	0.22 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		76020	**2006**	**2018**	The Aquatic Life use is impaired due to dissolved oxygen concentrations (3 violates / 28 obs.) below the criteria minimum (4.0 mg/l).

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Folly Creek**

TMDL Group ID: **76021**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAT-D03E_FLL01A00	**Folly Creek - Upper**	ACCOMACK CO	Tributary to Metomkin Bay. Upper estuarine portion of Folly Creek, from end of tidal downstream to end of shellfish condemnation (approx. RM 3.5). DSS shellfish condemnation # 097-173.

VA Overall AU Category: **5A**

Use	Impairment	0.25 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Enterococcus**		76021	**2006**	**2018**	Evaluated from data at downstream DEQ station @ 7-FLL002.46. Exceeds the maximum criteria (2 violates / 15 obs.) for Enterococcus bacteria.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAT-D03E_FLL02A00	**Folly Creek - Lower**	ACCOMACK CO	Lower estuarine portion of Folly Creek, tributary to Metomkin Bay. No DSS shellfish condemnation.

VA Overall AU Category: **5A**

Use	Impairment	0.22 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Enterococcus**		76021	**2006**	**2018**	

Sources: Source Unknown

TMDL Watershed Name: **Folly Creek, Unnamed Tributary**

TMDL Group ID: **01464**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAT-D03R_XDE01A02	**Unnamed tributary to Folly Creek**	ACCOMACK CO	Segment begins at headwaters downstream to start of tidal waters. Located east of Accomac, near Edge Hill Cemetary.

VA Overall AU Category: **5A**

Use	Impairment	1.54 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		01464	**2002**	**2014**	DEQ Streams Benthic-Macroinvertebrate Bioassessments using Regional Reference method. The Aquatic Life Use is impaired due to impacts to the stream's benthic population. Benthic population impacts were recorded at the following sample events: 7-XDE000.40 - moderately impaired [MI:F-'00,VI:F-'01,S-'02,MI:F-'02].

Sources: Leaking Underground Storage Tanks
Source Unknown

TMDL Group ID: **76023**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAT-D03R_XDE01A02	**Unnamed tributary to Folly Creek**	ACCOMACK CO	Segment begins at headwaters downstream to start of tidal waters. Located east of Accomac, near Edge Hill Cemetary.

VA Overall AU Category: **5A**

Use	Impairment	1.54 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		76023	**2006**	**2018**	Dissolved oxygen violation of the minimum criteria for dissolved oxygen (2 violates / 7 obs.).

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Folly Creek, Upper**

TMDL Group ID: **01252**

VAT-D03E_FLL01A00	Folly Creek - Upper	ACCOMACK CO	Tributary to Metomkin Bay. Upper estuarine portion of Folly Creek, from end of tidal downstream to end of shellfish condemnation (approx. RM 3.5). DSS shellfish condemnation # 097-173.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**	0.25	SQUARE MILES	01252	**2004**	**2010**	

Sources: Source Unknown

TMDL Watershed Name: **Fox Mill Run**

TMDL Group ID: **01020**

VAP-C05R_FOX01A00	Fox Mill Run	GLOUCESTER CO	From its headwaters to the extent of tide.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	7.07	MILES	01020	**2002**	**2014**	

Sources: Source Unknown

TMDL Group ID: **01021**

VAP-C05R_FOX01A00	Fox Mill Run	GLOUCESTER CO	From its headwaters to the extent of tide.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	7.07	MILES	01021	**2002**	**2014**	

Sources: Source Unknown

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Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Frenchs Creek**

TMDL Group ID: **00987**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-C03E_FRE01A02	**Frenchs Creek**	GLOUCESTER CO	As described in the condemnation notice 035-076B, 9/3/2004. PIAMH.

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		00987	**2002**	**2014**	00987 (SF) VAP-C03E-03 VDH-DSS Shellfish Condemnation Notice 035-076B, 9/3/2004.

Sources: Source Unknown

TMDL Watershed Name: **Front Cove**

TMDL Group ID: **01809**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAT-C07E_FRT01A06	**Front Cove**	POQUOSON CITY CITY	North shore trib. to mainstem Back R. Adjacent to Messick Point. DSS shellfish condemnation # 054-021A (Effective 2004-06-02, previously in # 193 - effective 1998-06-24). CBP Segment MOBPH.

VA Overall AU Category: **5A**

Use	Impairment	0.08 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01809	**2006**	**2010**	DSS shellfish condemnation # 054-021A (Effective 2004-06-02). Listed in 2004 IR under previous condemnation # 193 (Effective 1998-06-24).

Sources: Source Unknown

TMDL Watershed Name: **Gargathy Creek**

TMDL Group ID: **01461**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAT-D03R_GAR01A02	**Gargathy Creek**	ACCOMACK CO	Riverine portion of Gargathy Creek, from headwaters downstream to beginning of tidal waters. Located southeast of Nelsonia.

VA Overall AU Category: **5A**

Use	Impairment	2.46 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		01461	**2004**	**2014**	DEQ Streams Benthic-Macroinvertebrate Bioassessments using Regional Reference method. The Aquatic Life Use is impaired due to impacts to the stream's benthic population. Benthic population impacts were recorded at the following sample events: 7-GAR006.01 - moderately impaired [MI:S-'00,F-'00,S-'02,F-'02].

Sources: Source Unknown

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Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Gargathy Creek**

TMDL Group ID: **01462**

VAT-D03R_GAR01A02 **Gargathy Creek** ACCOMACK CO

Riverine portion of Gargathy Creek, from headwaters downstream to beginning of tidal waters. Located southeast of Nelsonia.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	2.46 MILES	01462	**2004**	**2016**	The Recreatiion Use is impaired due to exceedance (2 violates / 7 obs.) of the criteria for fecal coliform, and with Observed Effects, due to Ecoli bacteria exceedances within limited observations (1 violate / 4 obs.) preventing impairment determination.

Sources: Source Unknown

TMDL Watershed Name: **Gargathy Creek, Lower**

TMDL Group ID: **01460**

VAT-D03E_GAR01A04 **Gargathy Creek - Upper** ACCOMACK CO

Upper estuarine portion of Gargathy Creek from headwaters (approx RM 5.5) downstream to end of DSS condemnation (approx. RM 0.88). DSS shellfish condemnation # 098-172.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	0.11 SQUARE MILES	01460	**2006**	**2016**	Evaluated from downstream DEQ station @ 7-GAR001.80 . The Aquatic Life use is impaired due to dissolved oxygen concentrations (4 violates / 31 obs.) below the criteria minimum.

Sources: Source Unknown

VAT-D03E_GAR02A04 **Gargathy Creek - Lower** ACCOMACK CO

Lower estuarine portion of Gargathy Creek, from point where channel narrows (RM 3.45) downstream to confluence with Gargathy Bay (RM 1.38). Portion of DSS shellfish condemnation # 172.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	0.02 SQUARE MILES	01460	**2004**	**2016**	The Aquatic Life use is impaired due to dissolved oxygen concentrations (4 violates / 31 obs.) below the criteria minimum.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

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Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Gargathy Creek, Upper**

TMDL Group ID: **01253**

VAT-D03E_GAR01A04	**Gargathy Creek - Upper**	ACCOMACK CO	Upper estuarine portion of Gargathy Creek from headwaters (approx RM 5.5) downstream to end of DSS condemnation (approx. RM 0.88). DSS shellfish condemnation # 098-172.

VA Overall AU Category: **5A**

Use	Impairment	0.11 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01253	**2004**	**2016**	

Sources: Source Unknown

TMDL Watershed Name: **Georges Cove**

TMDL Group ID: **00957**

VAP-C01E_GEO01A98	**Georges Cove**	LANCASTER CO	Described in the condemnation notice 016-24C, 1/6/2004. The area expanded in the 2006 cycle. CB5MH.

VA Overall AU Category: **5A**

Use	Impairment	0.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		00957	**1998**	**2010**	00957 (SF) VAP-C01E-25 VDH-DSS Shellfish Condemnation Notice 016-24C, 1/6/2004.

Sources: Source Unknown

TMDL Watershed Name: **Gougher Creek**

TMDL Group ID: **15004**

VAP-C01E_GOU01A06	**Gougher Creek**	NORTHUMBERLAND CO	Described in VDH-DSS Shellfish Condemnation 013-089E, 4/16/2006. Area expanded in 2006 cycle. CB5MH.

VA Overall AU Category: **5A**

Use	Impairment	0.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		15004	**2006**	**2018**	15004 (SF) VAP-C01E-32 VDH-DSS Shellfish Condemnation Number 013-089E, 4/16/2004.

Sources: Source Unknown

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Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Great Wicomico River**

TMDL Group ID: **00959**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-C01E_GWR01A98	**Great Wicomico River**	NORTHUMBERLAND CO	Described in the condemnation notice 013-089A, 4/16/2004. CB5MH Size increased in 2004 cycle.

VA Overall AU Category: **5A**

Use	Impairment	0.55 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		00959	**1998**	**2010**	00959 (SF) VAP-C01E-01 VDH-DSS Condemnation Number 013-089A, 4/16/2004.

Sources: Source Unknown

TMDL Watershed Name: **Greenbackville Harbor - DSS**

TMDL Group ID: **76557**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAT-D01E_GBV01A06	**Greenbackville Harbor - DSS**	ACCOMACK CO	Northern Chincoteague Bay near VA-MD border. DSS shellfish condemnation # 100-153.

VA Overall AU Category: **5B**

Use	Impairment	0.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		76557	**2006**	**2010**	

Sources: Source Unknown

TMDL Watershed Name: **Guilford Creek (#176B)**

TMDL Group ID: **00241**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAT-C10E_GLF01A06	**Guilford Creek - Upper**	ACCOMACK CO	Northeast of Town of Guilford. Upper portion of creek, from end of tidal waters downstream to end of DSS condemnation. Portion of CBP segment POCMH. DSS shellfish condemnation # 076-176 B.

VA Overall AU Category: **5A**

Use	Impairment	0.15 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		00241	**1998**	**2010**	DSS shellfish condemnation # 076-176 B.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Harper Creek**

TMDL Group ID: **00988**

VAP-C03E_HRP01A98	**Harper Creek**	GLOUCESTER CO	Described in the condemnation notice 035-076A, 9/3/2006. Harper Creek is a portion of the Piankatank River condemnation. PIAMH. Size adjusted in 2006 cycle.

VA Overall AU Category: **5A**

Use	Impairment	0.07 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		00988	**1998**	**2010**	00980 (SF) VAP-C03E-02 VDH Shellfish Condemnation Notice 035-076A, 9/3/2004. VDH Shellfish Condemnations for the Upper Piankatank River and Harpers Creek were previously separated as areas 076A and 076B (5/24/1999). In September 2004, the condemnation area expanded so that Harpers Creek is now a portion of the Upper Pianaktank River.

Sources: Source Unknown

TMDL Watershed Name: **Harper Creek, Foxes Creek, Gallaman Swamp**

TMDL Group ID: **01738**

VAP-C03R_HRP01A98	**Harper Creek, Foxes Creek, Gallaman Swamp**	GLOUCESTER CO	Harper Creek and its major tributaries, Foxes Creek and Gallaman Swamp.

VA Overall AU Category: **5A**

Use	Impairment	11.47 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01738	**2002**	**2014**	Monitoring for this station ended in 2001. The violations in DO may be attributed to natural conditions and the presence of an upstream beaver dam. There was an observed effort for a single exceedance of the chronic chloride standard.

Sources: Source Unknown

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Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Harris River**

TMDL Group ID: **01210**

VAT-C07E_HAR01A06	Harris River - Upper	HAMPTON CITY	South shore trib. to mainstem Back R. Adjacent to Fox Hill area. DSS shellfish condemnation # 054-215A (Effective 2004-06-02, previously in # 054-021G - effective 2002-06-25). CBP Segment MOBPH.

VA Overall AU Category: **5A**

Use	Impairment	0.28 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01210	**2006**	**2010**	DSS shellfish condemnation # 054-215A (Effective 2004-06-02, previously in # 054-021G - effective 2002-06-25).

Sources: Source Unknown

TMDL Watershed Name: **Harwoods Mill Reservoir**

TMDL Group ID: **01300**

VAT-C07L_POQ01A04	Harwood Mill Reservoir (PWS)	YORK CO	Harwood Mill Reservoir, portion of Poquoson River upstream of dam @ RM 5.7. PWS for York County.

VA Overall AU Category: **5A**

Use	Impairment	258.00 ACRES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Copper**		01300	**2004**	**2016**	The Aquatic Life impairment is carried from 2004 IR, due to water column copper exceedances of the acute criteria. Data supplied by USGS @ Station 01677850 - surface layer in September 2002. Exceedance of Cu freshwater acute criteria at violation rate of 100% (3 violates / 3 surface obs.).

Sources: Municipal (Urbanized High Density Area)
Source Unknown

Wildlife	**Copper**	01300	**2004**	**2016**	The Wildlife impairment is related to the Aquatic Life impairment, and is carried from 2004 IR, due to water column copper exceedances of the acute criteria. Data supplied by USGS @ Station 01677850 - surface layer in September 2002. Exceedance of Cu freshwater acute criteria at violation rate of 100% (3 violates / 3 surface obs.).

Sources: Municipal (Urbanized High Density Area)
Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Healy Creek**

TMDL Group ID: **00194**

VAP-C03E_HEA01A02	Healy Creek	MIDDLESEX CO	Described in the VDH-DSS Shellfish Condemnation Notice 129, 3/3/1997. PIAMH.

VA Overall AU Category: **5D**

Use	Impairment	0.05 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		00194	**1998**	**2005**	Cat 4A for Shellfish. 00194 (SF) VAP-C03E-06 VDH-DSS Condemnation 129, 3/3/1997. This segment was originally listed in 1998 as not supporting for the Shellfish Use based on VDH-DSS Shellfish Condemnation 129, 3/3/1997. Piankatank River, Lower Watershed TMDL Report for Shellfish Condemnation Areas Listed Due to Bacteria Contamination was completed and EPA approved on 11/15/2005. However, the EPA TMDL ID was not available for the 2006 cycle, therefore this segment will be assessed as Cat 4A.

Sources: Non-Point Source

TMDL Group ID: **15007**

VAP-C03E_HEA02A06	Healy Creek	MIDDLESEX CO	Described in the VDH-DSS Shellfish Condemnation Notice 129, 2/26/1999. PIAMH.

VA Overall AU Category: **5A**

Use	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		15007	**1998**	**2018**	15007 (SF) VAP-C03E-13 VDH-DSS SFC Notice 129, 2/26/1999. The upper portion of Healy Creek was originally listed in 1998 based on VDH-DSS Shellfish Condemnation 129, 3/3/1997. Piankatank River, Lower Watershed TMDL Report for Shellfish Condemnation Areas Listed Due to Bacteria Contamination was completed and EPA approved on 11/15/2005. Healy Creek condemnation area was later expanded. In the 2006 cycle, this segment was assessed as not supporting for the Shellfish Use.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Heywood Creek**

TMDL Group ID: **01022**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-C06E_HEY01A98	**Heywood Creek**	GLOUCESTER CO	Described in the condemnation notice 044-054A, 4/16/2004. Size adjusted during 2006 cycle, although area did not change. MOBPH

VA Overall AU Category: **5A**

Use	Impairment	0.06 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01022	**1998**	**2010**	VAP-C06E-04 VDH DSS Shellfish Condemnation 044-054A, 4/16/2004

Sources: Source Unknown

TMDL Watershed Name: **Holden Creek**

TMDL Group ID: **00420**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAT-C10E_HLD01A06	**Holdens Creek - Upper**	ACCOMACK CO	Located southeast of Joeys Neck area. From estuarine/riverine transition (end of tidal waters) downstream to 0.5 mi downstream of station @ 7-HLD002.67. Portion of CBP segment POCOH. Portion of DSS shellfish condemnation # 075-033.

VA Overall AU Category: **5A**

Use	Impairment	0.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Enterococcus**		00420	**2006**	**2010**	The Recreation Use is impaired (2 violate / 12 obs.) due to exceedance of the instantaneous criteria for Enterococcus bacteria.The previous Fecal Coliform indicator bacteria impairment no longer applies, replaced by Enterococcus criteria impairment since

Sources: Source Unknown

TMDL Group ID: **01231**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAT-C10E_HLD01A06	**Holdens Creek - Upper**	ACCOMACK CO	Located southeast of Joeys Neck area. From estuarine/riverine transition (end of tidal waters) downstream to 0.5 mi downstream of station @ 7-HLD002.67. Portion of CBP segment POCOH. Portion of DSS shellfish condemnation # 075-033.

VA Overall AU Category: **5A**

Use	Impairment	0.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01231	**1998**	**2010**	Portion of DSS shellfish condemnation # 075-033.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Holden Creek**

TMDL Group ID: **76710**

VAT-C10E_HLD02A06	Holdens Creek - Lower	ACCOMACK CO	Located southeast of Joeys Neck area. From 0.5 mi downstream of station @ 7-HLD002.67 downstream to mouth. Portion of CBP segment POCOH. Portion of DSS shellfish condemnation # 075-033.

VA Overall AU Category: **5A**

Use	Impairment	0.05 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		76710	**1998**	**2016**	Portion of DSS shellfish condemnation # 075-033.

Sources: Source Unknown

TMDL Watershed Name: **Holly Grove Cove**

TMDL Group ID: **00410**

VAT-C13E_HGC01A06	Holly Grove Cove	NORTHAMPTON CO	Located near Wellington Neck. From end of tidal waters downstream to confluence with Nassawadox Cr. Portion of CBP segment CB7PH. DSS shellfish condemnation # 085-110C.

VA Overall AU Category: **5A**

Use	Impairment	0.14 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		00410	**1998**	**2010**	DSS shellfish condemnation # 085-110C.

Sources: Source Unknown

TMDL Watershed Name: **Holt Creek**

TMDL Group ID: **01468**

VAT-D05R_HLT01A04	Holt Creek	NORTHAMPTON CO	Located east of Martins Siding. Segment from headwaters downstream to start of tidal waters.

VA Overall AU Category: **5A**

Use	Impairment	1.89 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		01468	**2006**	**2016**	The previous Fecal Coliform indicator bacteria impairment no longer applies, replaced by the Ecoli criteria impairment since threshold of 12 observations reached (3 violates / 12 obs.), with TMDL due date same as original FC impairment.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Holt Creek, Unnamed Tributary**

TMDL Group ID: **01470**

VAT-D05R_XDI01A04	Holt Creek Unnamed Tributary	NORTHAMPTON CO	Located east of Martins Siding. Segment from Penn Central RR crossing near headwaters downstream to confluence with Holt Creek.

VA Overall AU Category: **5A**

Use	Impairment	1.38 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		01470	**2006**	**2016**	The Recreatiion Use is impaired due to exceedance of the criteria for Fecal Coliform (3 violates / 6 obs.) and Ecoli (2 violates / 3 obs.). Ecoli imapirment added with 2006 IR.
		Sources: Source Unknown				
Recreation	**Fecal Coliform**		01470	**2004**	**2016**	The Recreatiion Use is impaired due to exceedance of the criteria for Fecal Coliform (3 violates / 6 obs.) and Ecoli (2 violates / 3 obs.).
		Sources: Source Unknown				

TMDL Watershed Name: **Horn Harbor**

TMDL Group ID: **00960**

VAP-C01E_HHB01A98	Horn Harbor	NORTHUMBERLAND CO	Described in the condemnation notice 013-089H, 4/16/2004. Area expanded for the 2006 cycle. CB5MH.

VA Overall AU Category: **5A**

Use	Impairment	0.07 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		00960	**1998**	**2010**	00960(SF) VAP-C01E-07 VDH-DSS Shellfish Condemnation Notice 013-089H, 4/16/2004.
		Sources: Source Unknown				

TMDL Group ID: **01005**

VAP-C04E_HAH01A98	Horn Harbor	MATHEWS CO	Described in the condemnation notice 039-026A, 3/18/2004. Segment shortened in 2006 CB6PH

VA Overall AU Category: **5A**

Use	Impairment	0.05 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01005	**1998**	**2010**	VAP-C04E-18 VDH-DSS SFC Number 039-026A, 3/18/2004
		Sources: Source Unknown				

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Hungar Creek, Upper**

TMDL Group ID: **00427**

VAT-C14E_HUG01A00	Hungars Creek - Upper	NORTHAMPTON CO	Upper portion of Hungars Creek from end tidal waters downstream to Waterford Point (RM 1.8) @ confluence with Jacobus Cr. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 086-136 A.

VA Overall AU Category: **5A**

Use	Impairment	0.22 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		00427	**1998**	**2010**	The Recreation Use is impaired based on exceedance (5 violates / 9 obs.) of the Fecal Coliform bacteria criteria.

Sources: Source Unknown

TMDL Group ID: **01241**

VAT-C14E_HUG01A00	Hungars Creek - Upper	NORTHAMPTON CO	Upper portion of Hungars Creek from end tidal waters downstream to Waterford Point (RM 1.8) @ confluence with Jacobus Cr. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 086-136 A.

VA Overall AU Category: **5A**

Use	Impairment	0.22 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01241	**1998**	**2010**	DSS shellfish direct harvesting condemnation # 086-136 A.

Sources: Source Unknown

TMDL Watershed Name: **Hunting Creek**

TMDL Group ID: **76011**

VAT-C10E_HUN01A00	Hunting Creek - Upper	ACCOMACK CO	West of Town of Hopkins. Upper portion of creek, from headwaters downstream to end of DSS condemnation. Portion of CBP segment POCMH. DSS condemnation # 077-138 B.

VA Overall AU Category: **5A**

Use	Impairment	0.19 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Enterococcus**		76011	**2006**	**2018**	The Recreation Use is impaired based on exceedance of the Enterococcus bacteria criteria (6 violates / 14 obs.).

Sources: Source Unknown

VAT-C10E_HUN02A06	Hunting Creek - Lower	ACCOMACK CO	West of Town of Hopkins. Lower portion of creek, from end of DSS condemnation downstream to mouth. Portion of CBP segment POCMH. DSS (OPEN) shellfish direct harvesting condemnation # 077-138.

VA Overall AU Category: **5A**

Use	Impairment	0.69 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Enterococcus**		76011	**2006**	**2018**	The Recreation Use is impaired based on exceedance of the Enterococcus bacteria criteria (6 violates / 14 obs.).

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Hunting Creek (#138C)**

TMDL Group ID: **01232**

VAT-C10E_HUN01A00	**Hunting Creek - Upper**	ACCOMACK CO	West of Town of Hopkins. Upper portion of creek, from headwaters downstream to end of DSS condemnation. Portion of CBP segment POCMH. DSS condemnation # 077-138 B.

VA Overall AU Category: **5A**

Use	Impairment	0.19 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01232	**1998**	**2010**	DSS shellfish direct harvesting condemnation # 077-138 B.

Sources: Source Unknown

TMDL Watershed Name: **Indian Creek**

TMDL Group ID: **00961**

VAP-C01E_IND01A98	**Indian Creek, Pitmans Cove**	LANCASTER CO NORTHUMBERLAND CO	Described in the condemnation notice 016-57A, 11/30/2000. CB5MH. Pitmans Cove VAP-C01E_PIT01A98 and VAP-C01E_IND01A98 were incorporated into this segment, and were deleted in 2006.

VA Overall AU Category: **5A**

Use	Impairment	0.42 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		00961	**1998**	**2010**	00961 (SF) VAP-C01E-22 VDH-DSS Shellfish Condemnation Notice 016-57A, 11/30/2000.

Sources: Source Unknown

TMDL Group ID: **15002**

VAP-C01E_IND01A98	**Indian Creek, Pitmans Cove**	LANCASTER CO NORTHUMBERLAND CO	Described in the condemnation notice 016-57A, 11/30/2000. CB5MH. Pitmans Cove VAP-C01E_PIT01A98 and VAP-C01E_IND01A98 were incorporated into this segment, and were deleted in 2006.

VA Overall AU Category: **5A**

Use	Impairment	0.42 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Enterococcus**		15002	**2006**	**2018**	15002 (Enterococci) VAP-C01E-29 In 2006, this segment was not supporting for the recreation use due to an Enterococci violation rate of 5/16 at station 7-IND002.26.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Indian Creek**

TMDL Group ID: **15002**

VAP-C01E_IND02A98	**Indian Creek**	LANCASTER CO NORTHUMBERLAND CO	Described in the condemnation notice 016-57B, 11/30/2000. CB5MH.

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Enterococcus**		15002	**2006**	**2018**	Assessment information IND01A98; In 2006, the Enterococci violation rate was 5/16 at downstream station 7-IND002.26

Sources: Municipal Point Source Discharges
Source Unknown

TMDL Watershed Name: **Jackson Creek**

TMDL Group ID: **00989**

VAP-C03E_JCK01A98	**Jackson Creek**	MIDDLESEX CO	Described in the condemnation notice 033-084A, 12/30/2004. Size increased in 2006 cycle. Segments JCK01B98 and JCK01C98 were incorporated into this segment, then deleted. PIAMH.

VA Overall AU Category: **5A**

Use	Impairment	0.30 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		00989	**1998**	**2010**	0989 (SF) VAP-C03E-08 VDH-DSS SFC Notice 033-084A, 12/30/2004. Area expanded during 2006 cycle to include entire Jackson Creek. Segments JCK01B98 and JCK01C98 were incorporated into JCK01A98, then deleted.

Sources: Source Unknown

TMDL Watershed Name: **Jacobus Creek - Middle and Forks**

TMDL Group ID: **00408**

VAT-C14E_JAC02A06	**Jacobus Creek - Middle and Forks**	NORTHAMPTON CO	West of Johnsontown. Trib to Hungars Cr. Middle mainstem, north fork and lower portion of south fork. Portion of CBP segment CB7PH. DSS direct shellfish harvesting condemnation # 086-136 B.

VA Overall AU Category: **5A**

Use	Impairment	0.29 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		00408	**1998**	**2010**	DSS shellfish condemnation # 085-199 A.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Jarvis Creek**

TMDL Group ID: **00963**

VAP-C01E_JAR01A02	Jarvis Creek	NORTHUMBERLAND CO	As described in the condemnation notice 015-022F, 4/25/2003. CB5MH.

VA Overall AU Category: **5A**

Use	Impairment	0.07 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		00963	**2002**	**2014**	00963 (SF) VAP-C01E-30 VDH-DSS condemnation 015-022F, 4/25/2003.

Sources: Source Unknown

TMDL Watershed Name: **Johnson Creek**

TMDL Group ID: **15001**

VAP-C01E_JOH01A06	Johnson Creek	LANCASTER CO	Area as described in VDH-DSS SFC 016-24D 1/6/2004. CB5MH

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		15001	**2006**	**2018**	15001 (SF) VAP-C01E-26 VDH-DSS Shellfish Condemnation Notice 016-24D, 1/6/2004.

Sources: Source Unknown

TMDL Watershed Name: **Kelley Cove**

TMDL Group ID: **76555**

VAT-C13E_KLL01A06	Kelley Cove	NORTHAMPTON CO	In Occohonnock Neck near James Wharf, trib. to upper Nassawadox Cr. Portion of CBP segment CB7PH. DSS shellfish condemnation # 085-110 A.

VA Overall AU Category: **5A**

Use	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		76555	**1998**	**2010**	DSS shellfish condemnation # 085-110 A.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Kings Creek, Upper Forks**

TMDL Group ID: **01244**

VAT-C15E_KNS01A00	**Kings Creek - Upper Forks**	NORTHAMPTON CO	From end of tidal waters downstream to confluence of the two most upstream forks. Portion of CBP segment CB7PH. DSS condemnation # 088-139B.

VA Overall AU Category: **5A**

Use	Impairment	0.07 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01244	**1998**	**2010**	

Sources: Source Unknown

TMDL Watershed Name: **Lake Rudee**

TMDL Group ID: **01477**

VAT-D07E_LAI01A06	**Lake Rudee - Upper**	VIRGINIA BEACH CITY	Lake Rudee, from end of Owl Creek downstream to approx. RM 0.4 (upstream of confluence of Lake Holly with Rudee Inlet canal). Portion of DSS shellfish condemnation # 073-074.

VA Overall AU Category: **5A**

Use	Impairment	0.09 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Enterococcus**		01477	**2006**	**2016**	Recreation Use impaired due to Enterococcus bacteria concentrations exceeding (2 violates / 14 obs.) the instantaneous swimming indicator criteria (the previous Fecal Coliform indicator bacteria impairment no longer applies, replaced by the Enterococcus bacteria criteria impairment since threshold of 12 observations reached, with TMDL due date same as original FC impairment).

Sources: Source Unknown

TMDL Watershed Name: **Lake Rudee - Lower (Rudee Inlet Canal)**

TMDL Group ID: **76566**

VAT-D07E_LAI02A06	**Lake Rudee - Lower (Rudee Inlet Canal)**	VIRGINIA BEACH CITY	Lower portion of Lake Rudee, including Rudee Inlet Canal. From RM 0.4 (upstream of confluence of Lake Holly with Rudee Inlet canal) downstream through Inlet canal to mouth. Portion of DSS shellfish condemnation # 073-074.

VA Overall AU Category: **5B**

Use	Impairment	0.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		76566	**2006**	**2018**	DSS shellfish condemnation # 073-074. Effective 1989-04-27.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Lake Rudee - Upper**

TMDL Group ID: **76565**

VAT-D07E_LAI01A06	Lake Rudee - Upper	VIRGINIA BEACH CITY	Lake Rudee, from end of Owl Creek downstream to approx. RM 0.4 (upstream of confluence of Lake Holly with Rudee Inlet canal). Portion of DSS shellfish condemnation # 073-074.

VA Overall AU Category: **5A**

Use	Impairment	0.09 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		76565	**2004**	**2018**	DSS shellfish condemnation # 073-074. Effective 1989-04-27.

Sources: Source Unknown

TMDL Watershed Name: **Lake Smith (Lower), (PWS Reservoir)**

TMDL Group ID: **01444**

VAT-C08L_LAS02A02	Lake Smith - Lower (PWS)	NORFOLK CITY VIRGINIA BEACH CITY	East of Norfolk Municipal Airport, south of Little Creek Reservoir. Begins above Norfolk SM1 station (approx RM 0.15) south of two branches near Rt 13 and ends at lake terminus south of Route 13 (RM 0.0). City of Norfolk PWS.

VA Overall AU Category: **5A**

Use	Impairment	56.00 ACRES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01444	**2004**	**2014**	The Aquatic Life Use impairment is retained from the 2002 303d listing, due to dissolved oxygen concentration measurements (3 violates / 15 observations) below the minimum criteria (4.0 mg/L) within the observations at the City of Norfolk's SM1 station sampled during the current cycle. The Aquatic Life impairment is based on dissolved oxygen concentration measurements (3 violates / 15 observations) below the minimum criteria (4.0 mg/L) within the observations at the City of Norfolk's SM1 station. Segment originally listed impaired in 2002 IR due to DEQ station data @ 7-LAS000.06. Data at this DEQ station for 2006 IR showed use support (1 violate / 16 observations). However, the Aquatic Life Use impairment is retained from the 2002 303d listing, due to dissolved oxygen concentration measurements (3 violates / 15 observations) below the minimum criteria (4.0 mg/L) within the observations at the City of Norfolk's SM1 station sampled during the current cycle. With data reported from the station which was the basis for the impairment listing in 2002 IR (DEQ station data @ 7-LAS000.06) showing use support (1 violate / 16 observations) one violation from indicating impairment, there is insufficient data to recommend de-listing the previous impairment. This lake is non-stratified. The TSI evaluation is based on the DEQ station data due to the lack of parameter data at the City of Norfolk's SM1 station. The chlorophyll a (73), TP (79) and Secchi (70) TSIs exceeded the target value of 60, indicating anthropogenic (pollution) causes for the impairment.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Lake Trashmore - Western Pond**

TMDL Group ID: **76070**

VAT-C08L_MTL01A06 **Lake Trashmore - Western Pond** VIRGINIA BEACH CITY

Headwaters area of Thalia Cr. to Eastern Br. Lynnhaven River. Includes Western portion of dual ponds lake system, pond on eastern side of Mt. Trashmore is not included in VDH advisory.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	54.00 ACRES	76070	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption ban (for Carp) and advisory (for Yellow Perch) for PCBs fish tissue contamination issued 12/13/04. DEQ (CORE) monitoring at 7-LAW001.00 for fish tissue results exceeded DEQ-SV for Hg and PCBs.

Sources: Source Unknown

TMDL Group ID: **76600**

VAT-C08L_MTL01A06 **Lake Trashmore - Western Pond** VIRGINIA BEACH CITY

Headwaters area of Thalia Cr. to Eastern Br. Lynnhaven River. Includes Western portion of dual ponds lake system, pond on eastern side of Mt. Trashmore is not included in VDH advisory.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**Mercury in Fish Tissue**	54.00 ACRES	76600	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption advisory (Carp and Largemouth Bass) for mercury and PCBs fish tissue contamination (issued 9/30/04 for Hg, 12/13/04 for PCBs) and DEQ (CORE) monitoring at 7-MTL000.20 for fish tissue results exceeded DEQ-SV for Hg and PCBs.

Sources: Source Unknown

TMDL Watershed Name: **Lake Wesley - Upstream Branches**

TMDL Group ID: **76029**

VAT-D07E_LAE01A06 **Lake Wesley - Upstream Branches** VIRGINIA BEACH CITY

From start of both branches downstream to confluence with Rudee Inlet. Segment reflects status of station at mid-embayment. DSS shellfish condemnation # 073-074.

VA Overall AU Category: **5B**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**	0.03 SQUARE MILES	76029	**2006**	**2018**	

Sources: Source Unknown

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Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Lake Whitehurst**

TMDL Group ID: **76071**

VAT-C08L_LAW01A00 | **Lake Whitehurst - Majority of System (PWS)** | NORFOLK CITY | Located south of Little Creek Harbor. From Rt. 60 south to border of Norfolk Intl Airport. Minus portion of Azalea Garden Rd. cove. Overflow is downstream to Little Creek Cove/Harbor. City of Norfolk PWS.

VA Overall AU Category: **5A**

Use	Impairment	457.00 ACRES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		76071	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption ban (for Carp) and advisory (for Yellow Perch) for PCBs fish tissue contamination issued 12/13/04. DEQ (CORE) monitoring at 7-LAW001.00 for fish tissue results exceeded DEQ-SV for Hg and PCBs.

Sources: Source Unknown

VAT-C08L_LAW02A06 | **Lake Whitehurst - Azalea Garden Rd Embayment (PWS)** | NORFOLK CITY | Located south of Little Creek Harbor. Area of shallow embayment between Azalea Garden Rd east towards Norfolk Intl. Airport. Small middle portion of lake system. City of Norfolk PWS.

VA Overall AU Category: **5A**

Use	Impairment	23.00 ACRES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		76071	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption ban (for Carp) and advisory (for Yellow Perch) for PCBs fish tissue contamination issued 12/13/04. DEQ (CORE) monitoring at 7-LAW001.00 for fish tissue results exceeded DEQ-SV for Hg and PCBs.

Sources: Source Unknown

TMDL Group ID: **76601**

VAT-C08L_LAW02A06 | **Lake Whitehurst - Azalea Garden Rd Embayment (PWS)** | NORFOLK CITY | Located south of Little Creek Harbor. Area of shallow embayment between Azalea Garden Rd east towards Norfolk Intl. Airport. Small middle portion of lake system. City of Norfolk PWS.

VA Overall AU Category: **5A**

Use	Impairment	23.00 ACRES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**Mercury in Fish Tissue**		76601	**2006**	**2018**	The Fish Consumption Use is impaired based on the VDH fish consumption ban (for Carp) and advisory (for Yellow Perch) for PCBs fish tissue contamination issued 12/13/04. DEQ (CORE) monitoring at 7-LAW001.00 for fish tissue results exceeded DEQ-SV for Hg and PCBs.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Lake Whitehurst - Azalea Garden Rd Embayment (PWS)**

TMDL Group ID: **76005**

VAT-C08L_LAW02A06	Lake Whitehurst - Azalea Garden Rd Embayment (PWS)	NORFOLK CITY	Located south of Little Creek Harbor. Area of shallow embayment between Azalea Garden Rd east towards Norfolk Intl. Airport. Small middle portion of lake system. City of Norfolk PWS.

VA Overall AU Category: **5A**

Use	Impairment	23.00 ACRES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		76005	**2006**	**2018**	The Aquatic Life Use impairment is due to dissolved oxygen concentration measurements (2 violates / 14 obs.) below the minimum criteria (4.0 mg/L) and pH concentration measurements (3 violates / 20 obs.) above the maximum criteria (9.0 SU) reported from monitoring observations at the City of Norfolk's (MUN-WH4) lake station sampled during the current cycle. Unable to perform TSI calculation as no data are available for needed parameters (sechi, TP, Chl a).

Sources: Source Unknown

TMDL Group ID: **76006**

VAT-C08L_LAW02A06	Lake Whitehurst - Azalea Garden Rd Embayment (PWS)	NORFOLK CITY	Located south of Little Creek Harbor. Area of shallow embayment between Azalea Garden Rd east towards Norfolk Intl. Airport. Small middle portion of lake system. City of Norfolk PWS.

VA Overall AU Category: **5A**

Use	Impairment	23.00 ACRES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		76006	**2006**	**2018**	The Aquatic Life Use impairment is due to pH concentration measurements (3 violates / 20 obs.) above the maximum criteria (9.0 SU) reported from monitoring observations at the City of Norfolk's (MUN-WH4) lake station sampled during the current cycle.

Sources: Source Unknown

TMDL Watershed Name: **Lambs Creek - Poquoson River**

TMDL Group ID: **01221**

VAT-C07E_LMC01A04	Lambs Creek - Poquoson River	POQUOSON CITY CITY YORK CO	South shore tributary to Poquoson R, west of Poquoson Shores. On border of Poquoson/York boundary. Between Moores Cr. and Roberts Cr to east. DSS Shellfish condemnation # 053-137 E (effective 2004-04-26). CBP Segment MOBPH.

VA Overall AU Category: **5A**

Use	Impairment	0.16 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01221	**2006**	**2016**	DSS Shellfish condemnation # 053-137 E (effective 2004-04-26).

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Leatherberry Creek**

TMDL Group ID: **01237**

VAT-C11E_LTH01A00	**Leatherberry Creek**	ACCOMACK CO	Entire estuarine portion of creek. South shore tributary of Onancock Creek. Portion of CBP segment CB7PH. Portion of DSS shellfish condemnation # 081-013C.

VA Overall AU Category: **5A**

Use	Impairment	0.08 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01237	**1998**	**2010**	Portion of DSS shellfish condemnation # 081-013C.

Sources: Source Unknown

TMDL Watershed Name: **Lees Cove**

TMDL Group ID: **00964**

VAP-C01E_LEE01A02	**Lees Cove**	LANCASTER CO	As described in the condemnation notice 016-24B, 1/6/2004. CB5MH

VA Overall AU Category: **5A**

Use	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		00964	**2002**	**2014**	00964 (SF) VAP-C01E-20 VDH-DSS condemnation 016-024B, 1/6/2004

Sources: Source Unknown

TMDL Watershed Name: **Little Cat Creek**

TMDL Group ID: **76018**

VAT-D02E_HOC01A06	**Little Cat Creek**	ACCOMACK CO	Located at SW tip of Wallops Isl. from confluence of Hog Cr. to Assawoman Inlet. Entirety of creek. DSS shellfish condemnation # 099-135B.

VA Overall AU Category: **5B**

Use	Impairment	0.10 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		76018	**2006**	**2018**	

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Little Creek Reservoir - Lower (PWS)**

TMDL Group ID: **76007**

VAT-C08L_LTR02A02	Little Creek Reservoir - Lower (PWS)	VIRGINIA BEACH CITY	Located south of Little Creek Amphibious Base. Segment begins RM 0.2 (south of two branches near Rt 60) ends at lake terminus @ route 60 (RM 0.0). City of Norfolk PWS.

VA Overall AU Category: **5A**

Use	Impairment	10.00 ACRES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		76007	**2006**	**2018**	The Aquatic Life Use impairment is added for dissolved oxygen concentrations below the minimum criteria (4.0 mg/L) as reported by observations at the City of Norfolk's LC1 station (3 violates / 11 obs.) sampled during the current cycle. TSI Results [from 7-LTR000.04] All > 60 = Anthropogenic Source.

Sources: Source Unknown

TMDL Watershed Name: **Little Creek Reservoir (Lower), (PWS Reservoir)**

TMDL Group ID: **01445**

VAT-C08L_LTR02A02	Little Creek Reservoir - Lower (PWS)	VIRGINIA BEACH CITY	Located south of Little Creek Amphibious Base. Segment begins RM 0.2 (south of two branches near Rt 60) ends at lake terminus @ route 60 (RM 0.0). City of Norfolk PWS.

VA Overall AU Category: **5A**

Use	Impairment	10.00 ACRES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		01445	**2004**	**2014**	The Aquatic Life Use impairment for elevated pH (> 9.0 SU) is continued from the 2002 303d listing (9 violates / 21 obs. @ 7-LTR000.04; 2 violates / 18 obs. @ LC1).

Sources: Source Unknown

TMDL Watershed Name: **Little Mosquito Creek, Lower**

TMDL Group ID: **01248**

VAT-D01E_LTM02A04	Little Mosquito Creek - Lower	ACCOMACK CO	From confluence of Snead Branch downstream to mouth. DSS shellfish harvesting condemnation # 100-032A.

VA Overall AU Category: **5A**

Use	Impairment	0.10 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01248	**1998**	**2010**	DSS shellfish harvesting condemnation # 100-032A under TMDL ID: VAT-D01E-14.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Little Mosquito Creek, Lower**

TMDL Group ID: **01454**

VAT-D01E_LTM01A06 **Little Mosquito Creek - Upper** ACCOMACK CO

From headwaters downstream to confluence of Snead Branch. Area of DSS (ADMINISTRATIVE-due to VPDES outfall @ VA0024457) condemnation 100-032B.

VA Overall AU Category: **5A**

Use	Impairment	0.07 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Enterococcus**		01454	**2006**	**2016**	The Recreatiion Use is impaired due to exceedance of the criteria for Enterococci bacteria (2 violates / 15 obs.). The previous Fecal Coliform indicator bacteria impairment no longer applies, replaced by Enterococcus criteria impairment since threshold of 12 observations reached, with TMDL due date same as original FC impairment.

Sources: Source Unknown

VAT-D01E_LTM02A04 **Little Mosquito Creek - Lower** ACCOMACK CO

From confluence of Snead Branch downstream to mouth. DSS shellfish harvesting condemnation # 100-032A.

VA Overall AU Category: **5A**

Use	Impairment	0.10 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Enterococcus**		01454	**2004**	**2016**	Recreation Use impaired (2 violates / 15 observations) due to Enterococcus concentrations exceeding the swimming indicator criteria (the previous Fecal Coliform indicator bacteria impairment no longer applies, replaced by Enterococcus criteria impairment since threshold of 12 observations reached, with TMDL due date same as original FC impairment (TMDL ID: VAT-D01E-02).

Sources: Source Unknown

TMDL Group ID: **01455**

VAT-D01E_LTM02A04 **Little Mosquito Creek - Lower** ACCOMACK CO

From confluence of Snead Branch downstream to mouth. DSS shellfish harvesting condemnation # 100-032A.

VA Overall AU Category: **5A**

Use	Impairment	0.10 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01455	**2004**	**2016**	The 2004 IR DO impairment is retained until improvement can be confirmed in next assessment (2006 IR data showed 3 violates / 30 obs. = 10.0% violation rate).

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Little Neck Creek**

TMDL Group ID: **01224**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAT-C08E_LNC01A00	**Little Neck Creek**	VIRGINIA BEACH CITY	Eastern shore tributary of Linkhorn Bay, near Bay Colony. Portion of CBP segment LYNPH. Portion of DSS shellfish direct harvesting condemnation #071-025 C (balance in VAT-C08E_CRY01A00, _BBY01A00 & _LON01A00).

VA Overall AU Category: **5D**

Use	Impairment	0.33 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01224	**1998**	**2004**	Category 4A. EPA approved 12/02/2004. Portion of DSS condemnation #071-025 C (balance in VAT-C08E_LKN01A00 & CRY01A00). A TMDL has been completed and EPA approved (Category 4A) in 2004.

Sources: Discharges from Municipal Separate Storm Sewer Systems (MS4)
Municipal (Urbanized High Density Area)
Natural Sources
Non-Point Source
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)

TMDL Watershed Name: **London Bridge Creek**

TMDL Group ID: **00182**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAT-C08E_LOB01A00	**London Bridge Creek**	VIRGINIA BEACH CITY	Entirety of creek, from headwaters near Shipps Corner downstream to Rt. 58 crossing. Portion of CBP segment LYNPH. Portion of DSS shellfish direct harvesting condemnation #071-025 A (balance in VAT-C08E_EBL01A00, WES01A00, LYN01A00).

VA Overall AU Category: **5D**

Use	Impairment	0.05 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Enterococcus**		00182	**2006**	**2010**	The Recreation Use is impaired due to exceedance (14 violates / 15 obs.) of the criteria for Enterococcus bacteria. The previous Fecal Coliform indicator bacteria impairment no longer applies, replaced by Enterococcus criteria impairment, with the same TMDL due date as the FC impairment, since the threshold of 12 observations has been reached.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **London Bridge Creek**

TMDL Group ID: **01225**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAT-C08E_LOB01A00	**London Bridge Creek**	VIRGINIA BEACH CITY	Entirety of creek, from headwaters near Shipps Corner downstream to Rt. 58 crossing. Portion of CBP segment LYNPH. Portion of DSS shellfish direct harvesting condemnation #071-025 A (balance in VAT-C08E_EBL01A00, WES01A00, LYN01A00).

VA Overall AU Category: **5D**

Use	Impairment	0.05 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01225	**1998**	**2004**	Category 4A. EPA approved 12/02/2004. Portion of DSS condemnation #071-025 A (balance in VAT-C08E_LYN01A06 & WES01A00). A TMDL has been completed and EPA approved (Category 4A) in 2004.

Sources: Discharges from Municipal Separate Storm Sewer Systems (MS4)
Municipal (Urbanized High Density Area)
Natural Sources
Non-Point Source
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)

TMDL Watershed Name: **London Bridge Creek and Canal #2**

TMDL Group ID: **01227**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAT-C08E_XBO01A00	**Canal No. 2**	VIRGINIA BEACH CITY	Man-Made tributary to London Bridge Creek. Entire length of Canal No. 2. Portion of CBP segment LYNPH. No DSS shellfish direct harvesting condemnation.

VA Overall AU Category: **5D**

Use	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Enterococcus**		01227	**2006**	**2005**	Category 4A. EPA approved 9/27/2005. The Recreation Use is impaired due to exceedance (10 violates / 14 obs.) of the criteria for Enterococcus bacteria. The previous Fecal Coliform indicator bacteria impairment no longer applies, replaced by Enterococcus criteria impairment, with the same TMDL due date as the FC impairment, since the threshold of 12 observations has been reached.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Lynnhaven River**

TMDL Group ID: **00055**

VAT-C08E_EBL01A06 — **Eastern Branch - Upper, Lynnhaven River** — VIRGINIA BEACH CITY

From end of London Br. Cr. (Rt 58 crossing) downstream to eastern shore embayment near Forest Hills. Portion of CBP segment LYNPH.Portion of DSS shellfish direct harvesting condemnation #071-025 A (balance in VAT-C08E_EBL01A00, LYN01A00).

VA Overall AU Category: **5D**

Use	Impairment	Impairment	0.70 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**			00055	**1998**	**2004**	Category 4A. EPA approved 12/02/2004. Portion of DSS condemnation #071-025 A (balance in VAT-C08E_LYN01A06 & WES01A00). A TMDL has been completed and EPA approved (Category 4A) in 2004.

Sources: Discharges from Municipal Separate Storm Sewer Systems (MS4)
Municipal (Urbanized High Density Area)
Natural Sources
Non-Point Source
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)

VAT-C08E_EBL02A06 — **Eastern Branch - Lower, Lynnhaven River** — VIRGINIA BEACH CITY

From eastern shore embayment near Forest Hills downstream to confluence with mainstem. Portion of CBP segment LYNPH. Portion of DSS shellfish direct harvesting condemnation #071-025 C (balance in VAT-C08E_CRY01A00, _LKN01A00 & _LON01A00).

VA Overall AU Category: **5D**

Use	Impairment	Impairment	0.29 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**			00055	**1998**	**2004**	Portion of DSS condemnation #071-025 A (balance in VAT-C08E_LYN01A06 & WES01A00). A TMDL has been completed and EPA approved (Category 4A) in 2004.

Sources: Discharges from Municipal Separate Storm Sewer Systems (MS4)
Municipal (Urbanized High Density Area)
Natural Sources
Non-Point Source
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)

VAT-C08E_LYN01A06 — **Lynnhaven River - Mainstem** — VIRGINIA BEACH CITY

Tributary to shouth shore of Chesapeake Bay. Mainstem area near mouth. Portion of CBP segment LYNPH. Portion of DSS shellfish direct harvesting condemnation # 071-025 A (balance in VAT-C08E_EBL01A00, _WES01A00). Effective 2003-12-11

VA Overall AU Category: **5D**

Use	Impairment	Impairment	1.31 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**			00055	**1998**	**2004**	Portion of DSS condemnation #071-025 A (balance in VAT-C08E_LYN01A06 & WES01A00). A TMDL has been completed and EPA approved (Category 4A) in 2004.

Sources: Discharges from Municipal Separate Storm Sewer Systems (MS4)
Municipal (Urbanized High Density Area)
Natural Sources
Non-Point Source
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Lynnhaven River**

TMDL Group ID: **00055**

VAT-C08E_WES01A06 — **Western Branch - Upper, Lynnhaven River** — VIRGINIA BEACH CITY

From the end of Thurston Branch downstream to Witch Duck Point. Portion of CBP segment LYNPH. Portion of DSS shellfish direct harvesting condemnation #071-025 A (balance in VAT-C08E_EBL01A00, LYN01A00). Effective 2003-12-11.

VA Overall AU Category: **5D**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**	0.28	SQUARE MILES	00055	**1998**	**2004**	Portion of DSS condemnation #071-025 A (balance in VAT-C08E_LYN01A06 & WES01A00). A TMDL has been completed and EPA approved (Category 4A) in 2004.

Sources: Discharges from Municipal Separate Storm Sewer Systems (MS4)
Municipal (Urbanized High Density Area)
Natural Sources
Non-Point Source
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)

VAT-C08E_WES02A06 — **Western Branch - Lower, Lynnhaven River** — VIRGINIA BEACH CITY

From Witch Duck Point downstream to confluence with mainstem. Portion of CBP segment LYNPH. Portion of DSS shellfish direct harvesting condemnation #071-025 A (balance in VAT-C08E_EBL01A00, _LYN01A00).

VA Overall AU Category: **5D**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**	0.40	SQUARE MILES	00055	**1998**	**2004**	Portion of DSS condemnation #071-025 A (balance in VAT-C08E_LYN01A06 & EBL01A00). A TMDL has been completed and EPA approved (Category 4A) in 2004.

Sources: Discharges from Municipal Separate Storm Sewer Systems (MS4)
Municipal (Urbanized High Density Area)
Natural Sources
Non-Point Source
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)

VAT-C08E_ZZZ01A00 — **Unsegmented tidal tributaries in C09E-LYNPH** — VIRGINIA BEACH CITY

Portion of CBP segment LYNPH. Portion of DSS shellfish direct harvesting condemnation #071-025 A and C (balance in VAT-C08E_EBL01A00, WES01A00, _LYN01A00 & _DEY01A00, _LKN01A00 & _CRY01A00).

VA Overall AU Category: **5D**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**	1.63	SQUARE MILES	00055	**1998**	**2004**	Portion of DSS condemnation #071-025 A (balance in VAT-C08E_LYN01A06 & EBL01A00). A TMDL has been completed and EPA approved (Category 4A) in 2004.

Sources: Discharges from Municipal Separate Storm Sewer Systems (MS4)
Municipal (Urbanized High Density Area)
Natural Sources
Non-Point Source
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Lynnhaven River**

TMDL Group ID: **01439**

VAT-C08E_EBL01A06	Eastern Branch - Upper, Lynnhaven River	VIRGINIA BEACH CITY	From end of London Br. Cr. (Rt 58 crossing) downstream to eastern shore embayment near Forest Hills. Portion of CBP segment LYNPH.Portion of DSS shellfish direct harvesting condemnation #071-025 A (balance in VAT-C08E_EBL01A00, LYN01A00).

VA Overall AU Category: **5D**

Use	Impairment	0.70 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Enterococcus**		01439	**2006**	**2016**	The Recreation Use is impaired due to exceedance (2 violates / 13 obs.) of the criteria for Enterococcus bacteria. The previous Fecal Coliform indicator bacteria impairment no longer applies, replaced by Enterococcus criteria impairment, with the same TMDL due date as the FC impairment, since the threshold of 12 observations has been reached.

Sources: Source Unknown

TMDL Group ID: **01441**

VAT-C08E_WES01A06	Western Branch - Upper, Lynnhaven River	VIRGINIA BEACH CITY	From the end of Thurston Branch downstream to Witch Duck Point. Portion of CBP segment LYNPH. Portion of DSS shellfish direct harvesting condemnation #071-025 A (balance in VAT-C08E_EBL01A00, LYN01A00). Effective 2003-12-11.

VA Overall AU Category: **5D**

Use	Impairment	0.28 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Enterococcus**		01441	**2006**	**2014**	The Recreation Use is impaired due to exceedances (2 violates / 13 obs.) @ 7-WES001.68 and (5 violates / 13 obs.) @ 7-WES002.58 of the criteria for Enterococcus bacteria. The previous Fecal Coliform indicator bacteria impairment no longer applies, replaced by Enterococcus criteria impairment, with the same TMDL due date as the FC impairment, since the threshold of 12 observations has been reached.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Lynnhaven River Polyhaline Embayments**

TMDL Group ID: **01781**

VAT-C08E_BBY01A06	Broad Bay - Upper	VIRGINIA BEACH CITY	Located adjacent to Broad Bay Colony area of VB. East of Lynnhaven River. Portion of CBP segment LYNPH. Portion of DSS shellfish direct harvesting condemnation # 071-025 C (balance in VAT-C08E_DEY01A00, _LKN01A00 & _CRY01A00).

VA Overall AU Category: **5D**

Use	Impairment	0.90 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01781	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01781	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Lynnhaven River Polyhaline Embayments**

TMDL Group ID: **01781**

VAT-C08E_BBY02A06	Broad Bay - Lower	VIRGINIA BEACH CITY	Located adjacent to Broad Bay Colony area of VB. East of Lynnhaven River. Lower portion of bay. Portion of CBP segment LYNPH. DSS (OPEN) shellfish direct harvesting condemnation # 071-025.

VA Overall AU Category: **5A**

Use	Impairment (0.34 SQUARE MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	01781	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).
	Sources: Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Non-Point Source) Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)				
Open-Water Aquatic Life	**Oxygen, Dissolved**	01781	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).
	Sources: Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Non-Point Source) Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)				

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Lynnhaven River Polyhaline Embayments**

TMDL Group ID: **01781**

VAT-C08E_CRY01A00	Crystal Lake	VIRGINIA BEACH CITY	Includes Rainey Gut. Located in North Linkhorn Park area in Virginia Beach. East of Lynnhaven River. Portion of CBP segment LYNPH. Portion of DSS shellfish direct harvesting condemnation #071-025 C (balance in VAT-C08E_DEY01A00, _LKN01A00 & _CRY01A00).

VA Overall AU Category: **5D**

Use	Impairment	0.13 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01781	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**	01781	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Lynnhaven River Polyhaline Embayments**

TMDL Group ID: **01781**

VAT-C08E_DEY01A00	Dey Cove/Mill Dam Creek	VIRGINIA BEACH CITY	Located attached to west shore of Broad Bay Colony area of VB. East of Lynnhaven River. Portion of CBP segment LYNPH. Portion of DSS shellfish direct harvesting condemnation #071-025 C (balance in VAT-C08E_CRY01A00, _LKN01A00 & _LON01A00).

VA Overall AU Category: **5D**

Use	Impairment	0.08 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01781	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**	01781	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Lynnhaven River Polyhaline Embayments**

TMDL Group ID: **01781**

VAT-C08E_EBL01A06	Eastern Branch - Upper, Lynnhaven River	VIRGINIA BEACH CITY	From end of London Br. Cr. (Rt 58 crossing) downstream to eastern shore embayment near Forest Hills. Portion of CBP segment LYNPH.Portion of DSS shellfish direct harvesting condemnation #071-025 A (balance in VAT-C08E_EBL01A00, LYN01A00).

VA Overall AU Category: **5D**

Use	Impairment	0.70 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01781	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01781	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Lynnhaven River Polyhaline Embayments**

TMDL Group ID: **01781**

VAT-C08E_EBL02A06	Eastern Branch - Lower, Lynnhaven River	VIRGINIA BEACH CITY	From eastern shore embayment near Forest Hills downstream to confluence with mainstem. Portion of CBP segment LYNPH. Portion of DSS shellfish direct harvesting condemnation #071-025 C (balance in VAT-C08E_CRY01A00, _LKN01A00 & _LON01A00).

VA Overall AU Category: **5D**

Use	Impairment	0.29 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01781	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**	01781	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Lynnhaven River Polyhaline Embayments**

TMDL Group ID: **01781**

VAT-C08E_LKN01A00	Linkhorn Bay	VIRGINIA BEACH CITY	Located adjacent to Linkhorn Estates area of VB. East of Lynnhaven River. Portion of CBP segment LYNPH. Portion of DSS shellfish direct harvesting condemnation #071-025 C (balance in VAT-C08E_CRY01A00, _BBY01A00 & _LON01A00).

VA Overall AU Category: **5D**

Use	Impairment	0.95 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01781	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01781	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Lynnhaven River Polyhaline Embayments**

TMDL Group ID: **01781**

VAT-C08E_LNC01A00	Little Neck Creek	VIRGINIA BEACH CITY	Eastern shore tributary of Linkhorn Bay, near Bay Colony. Portion of CBP segment LYNPH. Portion of DSS shellfish direct harvesting condemnation #071-025 C (balance in VAT-C08E_CRY01A00, _BBY01A00 & _LON01A00).

VA Overall AU Category: **5D**

Use	Impairment	0.33 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01781	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01781	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Lynnhaven River Polyhaline Embayments**

TMDL Group ID: **01781**

VAT-C08E_LOB01A00	**London Bridge Creek**	VIRGINIA BEACH CITY	Entirety of creek, from headwaters near Shipps Corner downstream to Rt. 58 crossing. Portion of CBP segment LYNPH. Portion of DSS shellfish direct harvesting condemnation #071-025 A (balance in VAT-C08E_EBL01A00, WES01A00, LYN01A00).

VA Overall AU Category: **5D**

Use	Impairment	0.05 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01781	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO). This segment was previously listed for DO impairment of minimum criteria (4.0 mg/l) under TMDL ID: VAT-C08E-05.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01781	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Lynnhaven River Polyhaline Embayments**

TMDL Group ID: **01781**

VAT-C08E_LON01A00	Long Creek	VIRGINIA BEACH CITY	Northern shore tributary of Broad Bay, near Bay Island area. Portion of CBP segment LYNPH. DSS shellfish direct harvesting condemnation #071-025 B. Effective 2003-12-11.

VA Overall AU Category: **5D**

Use	Impairment (0.27 SQUARE MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	01781	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).
	Sources: Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Non-Point Source) Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)				
Open-Water Aquatic Life	**Oxygen, Dissolved**	01781	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).
	Sources: Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Non-Point Source) Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)				

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Lynnhaven River Polyhaline Embayments**

TMDL Group ID: **01781**

VAT-C08E_LYN01A06	Lynnhaven River - Mainstem	VIRGINIA BEACH CITY	Tributary to shouth shore of Chesapeake Bay. Mainstem area near mouth. Portion of CBP segment LYNPH. Portion of DSS shellfish direct harvesting condemnation # 071-025 A (balance in VAT-C08E_EBL01A00, _WES01A00). Effective 2003-12-11

VA Overall AU Category: **5D**

Use	Impairment	1.31 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01781	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01781	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Lynnhaven River Polyhaline Embayments**

TMDL Group ID: **01781**

VAT-C08E_THA01A02	Thalia Creek/Thurston Branch	VIRGINIA BEACH CITY	Beginning of Thalia Creek (includes Thurston Branch) from headwaters downstream to Western Br. Lynnhaven R. Portion of CBP segment LYNPH. Portion of DSS shellfish direct harvesting condemnation #071-025 A (balance in VAT-C08E_EBL01A00, _LYN01A00).

VA Overall AU Category: **5D**

Use	Impairment	0.16 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01781	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01781	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Lynnhaven River Polyhaline Embayments**

TMDL Group ID: **01781**

VAT-C08E_WES01A06	Western Branch - Upper, Lynnhaven River	VIRGINIA BEACH CITY	From the end of Thurston Branch downstream to Witch Duck Point. Portion of CBP segment LYNPH. Portion of DSS shellfish direct harvesting condemnation #071-025 A (balance in VAT-C08E_EBL01A00, LYN01A00). Effective 2003-12-11.

VA Overall AU Category: **5D**

Use	Impairment	0.28 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01781	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01781	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Lynnhaven River Polyhaline Embayments**

TMDL Group ID: **01781**

VAT-C08E_WES02A06	Western Branch - Lower, Lynnhaven River	VIRGINIA BEACH CITY	From Witch Duck Point downstream to confluence with mainstem. Portion of CBP segment LYNPH. Portion of DSS shellfish direct harvesting condemnation #071-025 A (balance in VAT-C08E_EBL01A00, _LYN01A00).

VA Overall AU Category: **5D**

Use	Impairment	0.40 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01781	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01781	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Lynnhaven River Polyhaline Embayments**

TMDL Group ID: **01781**

VAT-C08E_WNC01A00	West Neck Creek (Upper) to London Bridge Creek	VIRGINIA BEACH CITY	From Princess Anne Rd. crossing downstream to junction with London Bridge Cr. at Shipps Corner area. Segment has been determined by USGS to drain to C08E (Lynnhaven River). Portion of CBP segment LYNPH. No DSS shellfish direct harvesting condemnation.

VA Overall AU Category: **5D**

Use	Impairment	0.08 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01781	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO). This segment was previously listed for DO impairment of minimum criteria (4.0 mg/l) under TMDL ID: VAT-C08E-05.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01781	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Lynnhaven River Polyhaline Embayments**

TMDL Group ID: **01781**

VAT-C08E_XBO01A00 **Canal No. 2** VIRGINIA BEACH CITY Man-Made tributary to London Bridge Creek. Entire length of Canal No. 2. Portion of CBP segment LYNPH. No DSS shellfish direct harvesting condemnation.

VA Overall AU Category: **5D**

Use	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01781	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO). This segment was previously listed for DO impairment of minimum criteria (4.0 mg/l) under TMDL ID: VAT-C08E-05.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01781	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Lynnhaven River Polyhaline Embayments**

TMDL Group ID: **01781**

VAT-C08E_ZZZ01A00	Unsegmented tidal tributaries in C09E-LYNPH	VIRGINIA BEACH CITY	Portion of CBP segment LYNPH. Portion of DSS shellfish direct harvesting condemnation #071-025 A and C (balance in VAT-C08E_EBL01A00, WES01A00, _LYN01A00 & _DEY01A00, _LKN01A00 & _CRY01A00).

VA Overall AU Category: **5D**

Use	Impairment (1.63 SQUARE MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	01781	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).
	Sources: Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Non-Point Source) Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)				
Open-Water Aquatic Life	**Oxygen, Dissolved**	01781	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).
	Sources: Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Non-Point Source) Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)				

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Lynnhaven River Polyhaline Embayments**

TMDL Group ID: **76083**

VAT-C08E_BBY01A06	Broad Bay - Upper	VIRGINIA BEACH CITY	Located adjacent to Broad Bay Colony area of VB. East of Lynnhaven River. Portion of CBP segment LYNPH. Portion of DSS shellfish direct harvesting condemnation # 071-025 C (balance in VAT-C08E_DEY01A00, _LKN01A00 & _CRY01A00).

VA Overall AU Category: **5D**

Use	Impairment	0.90 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76083	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76083	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Lynnhaven River Polyhaline Embayments**

TMDL Group ID: **76083**

VAT-C08E_BBY02A06	**Broad Bay - Lower**	VIRGINIA BEACH CITY	Located adjacent to Broad Bay Colony area of VB. East of Lynnhaven River. Lower portion of bay. Portion of CBP segment LYNPH. DSS (OPEN) shellfish direct harvesting condemnation # 071-025.

VA Overall AU Category: **5A**

Use	Impairment	0.34 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76083	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76083	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Lynnhaven River Polyhaline Embayments**

TMDL Group ID: **76083**

VAT-C08E_CRY01A00	Crystal Lake	VIRGINIA BEACH CITY	Includes Rainey Gut. Located in North Linkhorn Park area in Virginia Beach. East of Lynnhaven River. Portion of CBP segment LYNPH. Portion of DSS shellfish direct harvesting condemnation #071-025 C (balance in VAT-C08E_DEY01A00, _LKN01A00 & _CRY01A00).

VA Overall AU Category: **5D**

Use	Impairment	0.13 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76083	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76083	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Lynnhaven River Polyhaline Embayments**

TMDL Group ID: **76083**

VAT-C08E_DEY01A00	**Dey Cove/Mill Dam Creek**	VIRGINIA BEACH CITY	Located attached to west shore of Broad Bay Colony area of VB. East of Lynnhaven River. Portion of CBP segment LYNPH. Portion of DSS shellfish direct harvesting condemnation #071-025 C (balance in VAT-C08E_CRY01A00, _LKN01A00 & _LON01A00).

VA Overall AU Category: **5D**

Use	Impairment	0.08 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76083	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76083	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Lynnhaven River Polyhaline Embayments**

TMDL Group ID: **76083**

VAT-C08E_EBL01A06	Eastern Branch - Upper, Lynnhaven River	VIRGINIA BEACH CITY	From end of London Br. Cr. (Rt 58 crossing) downstream to eastern shore embayment near Forest Hills. Portion of CBP segment LYNPH.Portion of DSS shellfish direct harvesting condemnation #071-025 A (balance in VAT-C08E_EBL01A00, LYN01A00).

VA Overall AU Category: **5D**

Use	Impairment	0.70 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76083	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76083	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Lynnhaven River Polyhaline Embayments**

TMDL Group ID: **76083**

VAT-C08E_EBL02A06	Eastern Branch - Lower, Lynnhaven River	VIRGINIA BEACH CITY	From eastern shore embayment near Forest Hills downstream to confluence with mainstem. Portion of CBP segment LYNPH. Portion of DSS shellfish direct harvesting condemnation #071-025 C (balance in VAT-C08E_CRY01A00, _LKN01A00 & _LON01A00).

VA Overall AU Category: **5D**

Use	Impairment	0.29 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76083	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76083	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Lynnhaven River Polyhaline Embayments**

TMDL Group ID: **76083**

VAT-C08E_LKN01A00	**Linkhorn Bay**	VIRGINIA BEACH CITY	Located adjacent to Linkhorn Estates area of VB. East of Lynnhaven River. Portion of CBP segment LYNPH. Portion of DSS shellfish direct harvesting condemnation #071-025 C (balance in VAT-C08E_CRY01A00, _BBY01A00 & _LON01A00).

VA Overall AU Category: **5D**

Use	Impairment	0.95 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76083	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76083	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Lynnhaven River Polyhaline Embayments**

TMDL Group ID: **76083**

VAT-C08E_LNC01A00	Little Neck Creek	VIRGINIA BEACH CITY	Eastern shore tributary of Linkhorn Bay, near Bay Colony. Portion of CBP segment LYNPH. Portion of DSS shellfish direct harvesting condemnation #071-025 C (balance in VAT-C08E_CRY01A00, _BBY01A00 & _LON01A00).

VA Overall AU Category: **5D**

Use	Impairment	0.33 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76083	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76083	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Lynnhaven River Polyhaline Embayments**

TMDL Group ID: **76083**

VAT-C08E_LOB01A00	**London Bridge Creek**	VIRGINIA BEACH CITY	Entirety of creek, from headwaters near Shipps Corner downstream to Rt. 58 crossing. Portion of CBP segment LYNPH. Portion of DSS shellfish direct harvesting condemnation #071-025 A (balance in VAT-C08E_EBL01A00, WES01A00, LYN01A00).

VA Overall AU Category: **5D**

Use	Impairment	0.05 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76083	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76083	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Lynnhaven River Polyhaline Embayments**

TMDL Group ID: **76083**

VAT-C08E_LON01A00	Long Creek	VIRGINIA BEACH CITY	Northern shore tributary of Broad Bay, near Bay Island area. Portion of CBP segment LYNPH. DSS shellfish direct harvesting condemnation #071-025 B. Effective 2003-12-11.

VA Overall AU Category: **5D**

Use	Impairment	0.27 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76083	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76083	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Lynnhaven River Polyhaline Embayments**

TMDL Group ID: **76083**

VAT-C08E_LYN01A06	**Lynnhaven River - Mainstem**	VIRGINIA BEACH CITY	Tributary to shouth shore of Chesapeake Bay. Mainstem area near mouth. Portion of CBP segment LYNPH. Portion of DSS shellfish direct harvesting condemnation # 071-025 A (balance in VAT-C08E_EBL01A00, _WES01A00). Effective 2003-12-11

VA Overall AU Category: **5D**

Use	Impairment	1.31 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76083	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76083	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Lynnhaven River Polyhaline Embayments**

TMDL Group ID: **76083**

VAT-C08E_THA01A02	Thalia Creek/Thurston Branch	VIRGINIA BEACH CITY	Beginning of Thalia Creek (includes Thurston Branch) from headwaters downstream to Western Br. Lynnhaven R. Portion of CBP segment LYNPH. Portion of DSS shellfish direct harvesting condemnation #071-025 A (balance in VAT-C08E_EBL01A00, _LYN01A00).

VA Overall AU Category: **5D**

Use	Impairment	0.16 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76083	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76083	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Lynnhaven River Polyhaline Embayments**

TMDL Group ID: **76083**

VAT-C08E_WES01A06	Western Branch - Upper, Lynnhaven River	VIRGINIA BEACH CITY	From the end of Thurston Branch downstream to Witch Duck Point. Portion of CBP segment LYNPH. Portion of DSS shellfish direct harvesting condemnation #071-025 A (balance in VAT-C08E_EBL01A00, LYN01A00). Effective 2003-12-11.

VA Overall AU Category: **5D**

Use	Impairment	0.28 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76083	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76083	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Lynnhaven River Polyhaline Embayments**

TMDL Group ID: **76083**

VAT-C08E_WES02A06	Western Branch - Lower, Lynnhaven River	VIRGINIA BEACH CITY	From Witch Duck Point downstream to confluence with mainstem. Portion of CBP segment LYNPH. Portion of DSS shellfish direct harvesting condemnation #071-025 A (balance in VAT-C08E_EBL01A00, _LYN01A00).

VA Overall AU Category: **5D**

Use	Impairment	0.40 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76083	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76083	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Lynnhaven River Polyhaline Embayments**

TMDL Group ID: **76083**

VAT-C08E_WNC01A00	West Neck Creek (Upper) to London Bridge Creek	VIRGINIA BEACH CITY	From Princess Anne Rd. crossing downstream to junction with London Bridge Cr. at Shipps Corner area. Segment has been determined by USGS to drain to C08E (Lynnhaven River). Portion of CBP segment LYNPH. No DSS shellfish direct harvesting condemnation.

VA Overall AU Category: **5D**

Use	Impairment	0.08 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76083	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76083	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Lynnhaven River Polyhaline Embayments**

TMDL Group ID: **76083**

VAT-C08E_XBO01A00	Canal No. 2	VIRGINIA BEACH CITY	Man-Made tributary to London Bridge Creek. Entire length of Canal No. 2. Portion of CBP segment LYNPH. No DSS shellfish direct harvesting condemnation.

VA Overall AU Category: **5D**

Use	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76083	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76083	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Lynnhaven River Polyhaline Embayments**

TMDL Group ID: **76083**

VAT-C08E_ZZZ01A00	Unsegmented tidal tributaries in C09E-LYNPH	VIRGINIA BEACH CITY	Portion of CBP segment LYNPH. Portion of DSS shellfish direct harvesting condemnation #071-025 A and C (balance in VAT-C08E_EBL01A00, WES01A00, _LYN01A00 & _DEY01A00, _LKN01A00 & _CRY01A00).

VA Overall AU Category: **5D**

Use	Impairment	1.63 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76083	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76083	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Lyons Creek - Upper**

TMDL Group ID: **01749**

VAT-C07E_LYO01A06	Lyons Creek - Upper	POQUOSON CITY CITY	South shore tributary to Poquoson R, in area of York Haven Anchorage. East of Roberts Cr. and north of White House Cove. DSS Shellfish condemnation # 053-137 E (effective 2004-04-26). CBP Segment MOBPH.

VA Overall AU Category: **5A**

Use	Impairment	0.04 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01749	**2006**	**2018**	DSS Shellfish condemnation # 053-137 E (effective 2004-04-26).

Sources: Source Unknown

TMDL Watershed Name: **Magothy Bay**

TMDL Group ID: **01471**

VAT-D06E_MAG01A04	Magothy Bay	NORTHAMPTON CO	Located northeast of Cedar Grove. Segment 0.1 mi. area adjacent to station at Cushmans Landing. No DSS shellfish condemnation.

VA Overall AU Category: **5A**

Use	Impairment	0.04 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01471	**2004**	**2016**	The Aquatic Life use is impaired (4 violates / 21 obs.) due to dissolved oxygen concentrations below the criteria minimum (4.0 mg/l).

Sources: Source Unknown

TMDL Watershed Name: **Matchotank Creek - Upper**

TMDL Group ID: **00286**

VAT-C11E_MTC01A06	Matchotank Creek - Upper	ACCOMACK CO	South of Broadway Neck area. Portion of CBP segment CB7PH. DSS shellfish conedmnation # 080-169 (Effective 2004-01-13).

VA Overall AU Category: **5A**

Use	Impairment	0.09 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		00286	**2006**	**2018**	DSS shellfish conedmnation # 080-169 (Effective 2004-01-13).

Sources: Source Unknown

TMDL Watershed Name: **Mattawoman Creek**

TMDL Group ID: **00406**

VAT-C14E_MAT01A06	Mattawoman Creek - Upper	NORTHAMPTON CO	South of Wilsonia Neck. Portion of CBP segment CB7PH. DSS shellfish condemnation # 086-136 C.

VA Overall AU Category: **5A**

Use	Impairment	0.22 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		00406	**1998**	**2010**	DSS shellfish condemnation # 085-199 A.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **McLean Gut**

TMDL Group ID: **00390**

VAT-C13E_NAN03A00	**Nandua Creek - McLean Gut**	ACCOMACK CO	Southwest of Fairview Neck area. Shouth shore tributary of middle Nandua Cr. Portion of CBP segment CB7PH. DSS shellfish condemnation # 082-160 C.

VA Overall AU Category: **5A**

Use	Impairment	0.05 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		00390	**1998**	**2010**	DSS shellfish condemnation # 082-160 C.

Sources: Source Unknown

TMDL Watershed Name: **Messongo Creek**

TMDL Group ID: **01233**

VAT-C10E_MES01A06	**Messongo Creek - Upper**	ACCOMACK CO	Located southeast of Saxis. From end of tidal waters downstream to 0.4 mi downstream of Rt 690 crossing. Portion of CBP segment POCMH. Upstream portion of DSS shellfish direct harvesting condemnation # 076-167 A.

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01233	**1998**	**2010**	DSS shellfish direct harvesting condemnation # 076-167 A.

Sources: Source Unknown

VAT-C10E_MES02A06	**Messongo Creek - Middle**	ACCOMACK CO	Located southeast of Saxis. From 0.4 mi downstream of Rt 690 crossing, downstream to end of DSS condemnation near Town of Belinda. Portion of CBP segment POCMH. Downstream portion of DSS shellfish direct harvesting condemnation # 076-167 A.

VA Overall AU Category: **5A**

Use	Impairment	0.27 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01233	**1998**	**2010**	DSS shellfish direct harvesting condemnation # 076-167 A.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Messongo Creek Mesohaline Embayments**

TMDL Group ID: **01780**

VAT-C10E_MES01A06	Messongo Creek - Upper	ACCOMACK CO	Located southeast of Saxis. From end of tidal waters downstream to 0.4 mi downstream of Rt 690 crossing. Portion of CBP segment POCMH. Upstream portion of DSS shellfish direct harvesting condemnation # 076-167 A.

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01780	**2006**	**2010**	The Aquatic Life Use is impaired based on retention of the 1998 listing for exceedance of the dissolved oxygen instantaneous minimum criteria effective this date. The previous DO impairment (VAT-C10E-05) from site specific monitoring is carried from previous data collected during the 1998 cycle of the 303d report. The impairment is part of the July 1999 EPA Consent Decree (Attachment C & Attachment A, Category 1, Part 2).

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed
Source Unknown

TMDL Watershed Name: **Messongo Creek, Upper**

TMDL Group ID: **00421**

VAT-C10E_MES01A06	Messongo Creek - Upper	ACCOMACK CO	Located southeast of Saxis. From end of tidal waters downstream to 0.4 mi downstream of Rt 690 crossing. Portion of CBP segment POCMH. Upstream portion of DSS shellfish direct harvesting condemnation # 076-167 A.

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		00421	**1998**	**2010**	The Recreation Use is impaired based on exceedance of the Fecal Coliform bacteria criteria, which is carried from previous data collected during the 1998 cycle of the 303d report. The impairment is part of the July 1999 EPA Consent Decree (Attachment C & Attachment A, Category 1, Part 2).

Sources: Source Unknown

TMDL Watershed Name: **Miles Creek**

TMDL Group ID: **01008**

VAP-C04E_MIS01A04	Miles Creek	MATHEWS CO	Described in VDH Condemnation Notice 041-212A, 9/15/2004. MOBPH

VA Overall AU Category: **5A**

Use	Impairment	0.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01008	**2004**	**2016**	VAP-C04E-29 VDH Condemnation Notice 041-212A, 9/15/2004

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Milford Haven**

TMDL Group ID: **01009**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-C04E_MLF01A98	**Milford Haven**	MATHEWS CO	Described in the condemnation notice 037-099D, 4/28/2004. PIAMH

VA Overall AU Category: **5A**

Use	Impairment	0.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01009	**1998**	**2010**	VAP-C04E-02 VDH-DSS SFC Number 037-099D, 4/28/2004

Sources: Source Unknown

TMDL Group ID: **10114**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-C04E_MLF01A98	**Milford Haven**	MATHEWS CO	Described in the condemnation notice 037-099D, 4/28/2004. PIAMH

VA Overall AU Category: **5A**

Use	Impairment	0.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Enterococcus**		10114	**2006**	**2018**	VAP-C04E-17 (Enterococci) Milford Haven from The Narrows to the mouth was assessed as not supporting the Recreation Use during the 2006 cycle due to an enterococci violation rate of 2/9 at 7-MLF002.45. Further monitoring is recommended to confirm the impairment due to the small data set and an acceptable fecal coliform violation rate (0/23.)

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-C04E_MLF02A98	**Milford Haven**	MATHEWS CO	Described in the condemnation notice 037-099E, 4/28/2004. Size adjusted in 2006, although area did not change PIAMMH

VA Overall AU Category: **5A**

Use	Impairment	0.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Enterococcus**		10114	**2006**	**2018**	VAP-C04E-17 Milford Haven from The Narrows to the mouth was assessed as not supporting the Recreation Use during the 2006 cycle due to an enterococci violation rate of 2/9 at 7-MLF002.45. Further monitoring is recommended to confirm the impairment due to the small data set and an acceptable fecal coliform violation rate (0/23.)

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Milford Haven**

TMDL Group ID: **10114**

VAP-C04E_MLF03A00	Milford Haven	MATHEWS CO	Downstream of SFC037-099E, 4/28/2004 except as otherwise segmented. PIAMH

VA Overall AU Category: **5A**

Use	Impairment	1.43 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Enterococcus**		10114	**2006**	**2018**	VAP-C04E-17 Milford Haven from The Narrows to the mouth was assessed as not supporting the Recreation Use during the 2006 cycle due to an enterococci violation rate of 2/9 at 7-MLF002.45. Further monitoring is recommended to confirm the impairment due to the small data set and an acceptable fecal coliform violation rate (0/23.)

Sources: Source Unknown

TMDL Watershed Name: **Mill Creek**

TMDL Group ID: **00433**

VAT-D06R_MCR01A00	Mill Creek	NORTHAMPTON CO	Located north of Capeville. Segment begins at the start of Mill Creek upstream of Penn central RR crossing and ends downstream of Rt 600 at the beginning of the impoundment upstream of tidal waters.

VA Overall AU Category: **5A**

Use	Impairment	2.04 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		00433	**1998**	**2010**	The Aquatic Life use is impaired due to dissolved oxygen concentrations (8 violates / 17 obs.) below the criteria minimum (4.0 mg/l).

Sources: Source Unknown

TMDL Group ID: **00966**

VAP-C01E_MIL01A98	Mill Creek	NORTHUMBERLAND CO	Described in the condemnation notice 014-123A, 8/3/2004. The area expanded for 2006. CB5MH.

VA Overall AU Category: **5A**

Use	Impairment	0.47 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		00966	**1998**	**2010**	00966 (SF) VAP-C01E-12 VDH-DSS Shellfish Condemnation Notice 014-123A, 8/3/2004. The condemnation area expanded in the 2006 cycle.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mill Creek**

TMDL Group ID: **01472**

VAT-D06R_MCR01A00	**Mill Creek**	NORTHAMPTON CO	Located north of Capeville. Segment begins at the start of Mill Creek upstream of Penn central RR crossing and ends downstream of Rt 600 at the beginning of the impoundment upstream of tidal waters.

VA Overall AU Category: **5A**

Use	Impairment	2.04 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		01472	**2004**	**2016**	The Recreatiion Use is impaired due to exceedance (2 violates / 17 obs.) of the criteria for Fecal Coliform bacteria.

Sources: Source Unknown

TMDL Group ID: **01473**

VAT-D06R_MCR01A00	**Mill Creek**	NORTHAMPTON CO	Located north of Capeville. Segment begins at the start of Mill Creek upstream of Penn central RR crossing and ends downstream of Rt 600 at the beginning of the impoundment upstream of tidal waters.

VA Overall AU Category: **5A**

Use	Impairment	2.04 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		01473	**1998**	**2010**	The Aquatic Life use is impaired due to pH concentrations (6 violates / 17 obs.) below the criteria minimum (6.0 SU).

Sources: Source Unknown

TMDL Watershed Name: **Mobjack Bay and Tributaries**

TMDL Group ID: **15000**

VAP-C01E_ANT01A98	**Antipoison Creek**	LANCASTER CO	Described in the condemnation notice 017-188A, 7/13/2004. Size extended in 2006 cycle, and now incorporates old segment ANT02A00, which was deleted CB5MH

VA Overall AU Category: **5A**

Use	Impairment	0.44 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		15000	**2006**	**2018**	VAP-C01E-17 The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay and Tributaries**

TMDL Group ID: **15000**

VAP-C01E_BAL01A02 **Ball Creek** NORTHUMBERLAND CO

Described in the condemnation notice 014-124B, 5/15/2001.

CB5MH.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.08	SQUARE MILES	15000	**2006**	**2018**	15000 (PCBs) VAP-C01E-17 The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

VAP-C01E_BAL02A02 **Ball Creek** NORTHUMBERLAND CO

From VDH-DSS SFC 014-124B, 5/15/2001, downstream to its mouth.

CB5MH.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.17	SQUARE MILES	15000	**2006**	**2018**	15000 (PCBs) VAP-C01E-17 The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

VAP-C01E_BAR01A98 **Barrett Creek** NORTHUMBERLAND CO

Described in the condemnation notice, 013-089D, 4/16/2004. Area expanded during 2006 cycle.

CB5MH.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.10	SQUARE MILES	15000	**2006**	**2018**	15000 (PCBs) VAP-C01E-17 The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay and Tributaries**

TMDL Group ID: **15000**

VAP-C01E_BLS01A02 **Balls Creek** NORTHUMBERLAND CO

Described in the condemnation notice 013-089B, 4/16/2004.

Size expanded in 2006 cycle. Segment BLS02A04 was incorporated into this segment, then was deleted.

CB5MH.

VA Overall AU Category: **5A**

Use	Impairment	0.18 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		15000	**2006**	**2018**	15000 (PCBs) VAP-C01E-17 The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

VAP-C01E_BMC01A04 **Betts Mill Creek** NORTHUMBERLAND CO

Described in the VDH Shellfish Condemnation 013-089I, 4/16/2004.

CB5MH.

VA Overall AU Category: **5A**

Use	Impairment	0.08 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		15000	**2006**	**2018**	15000 (PCBs) VAP-C01E-17 The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

VAP-C01E_CLE01A98 **Cloverdale Creek** NORTHUMBERLAND CO

Described in the condemnation notice 014-124A, 5/15/2001.

CB5MH.

VA Overall AU Category: **5A**

Use	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		15000	**2006**	**2018**	15000 (PCBs) VAP-C01E-17 The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay and Tributaries**

TMDL Group ID: **15000**

VAP-C01E_CLE02A06 **Cloverdale Creek** NORTHUMBERLAND CO

Downstream of condemnation notice 014-124A, 5/15/2001.

CB5MH.

VA Overall AU Category: **5A**

Use	Impairment	0.06 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		15000	**2006**	**2018**	15000 (PCBs) VAP-C01E-17 The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

VAP-C01E_COC01A98 **Cockrell Creek** NORTHUMBERLAND CO

As described in VDH-DSS Shellfish Condemnation No. 012-002B, 11/15/2004.

Merged segment COC02A98 into this segment in 2006, then deleted it. Area adjusted.

CB5MH.

Size adjusted 2006.

VA Overall AU Category: **5A**

Use	Impairment	0.61 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		15000	**2006**	**2018**	15000 (PCBs) VAP-C01E-17 The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass. Fish tissue analysis at DEQ station 7-COC000.40 indicated there were observed effects for PCBs in croaker. In addition, there were observed effects for arsenic the fish tissue of croaker and blue crab, however this was not an impairing cause.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay and Tributaries**

TMDL Group ID: **15000**

VAP-C01E_COC03A98 **Cockrell Creek** NORTHUMBERLAND CO

Described in the condemnation notice. VDH-DSS SFC No. 012-002C, 11/15/2004.

CB5MH.

VA Overall AU Category: **5A**

Use	Impairment	0.04 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		15000	**2006**	**2018**	15000 (PCBs) VAP-C01E-17 The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

VAP-C01E_COC04A98 **Cockrell Creek** NORTHUMBERLAND CO

From the downstream boundary of VDH-DSS Condemnation Notice 012-002A & C, 11/15/2004, to the mouth.

Area decreased in 2006 cycle.

CB5MH.

VA Overall AU Category: **5A**

Use	Impairment	0.43 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		15000	**2006**	**2018**	15000 (PCBs) VAP-C01E-17 The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass. Fish tissue analysis at DEQ station 7-COC000.40 indicated there were observed effects for PCBs in croaker. In addition, there were observed effects for arsenic the fish tissue of croaker and blue crab. This was not an impairing cause.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay and Tributaries**

TMDL Group ID: **15000**

VAP-C01E_COC05A06 **Cockrell Creek** NORTHUMBERLAND CO

From VDH-DSS SFC No. 012-002A, 11/15/2004, downstream to mouth at Fleet Point.

CB5MH.

VA Overall AU Category: **5A**

Use	Impairment	0.19 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		15000	**2006**	**2018**	15000 (PCBs) VAP-C01E-17 The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

VAP-C01E_CRN01A06 **Cranes Creek** NORTHUMBERLAND CO

Described in VDH-DSS (Seasonal) Shellfish Condemnation 013-089-M3, 4/16/2004.

CB5MH.

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		15000	**2006**	**2018**	15000 (PCBs) VAP-C01E-17 The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

VAP-C01E_CRN01B06 **Cranes Creek** NORTHUMBERLAND CO

Described in VDH-DSS Shellfish Condemnation 013-089-M4, 4/16/2004.

CB5MH.

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		15000	**2006**	**2018**	15000 (PCBs) VAP-C01E-17 The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay and Tributaries**

TMDL Group ID: **15000**

VAP-C01E_DIV01A98 **Dividing Creek** NORTHUMBERLAND CO

Described in the VDH-DSS SF condemnation notice 015-022A, 4/25/2003.

CB5MH.

This segment decreased in size for 2006; Lawrence Cove was separated into segment LRC01A06.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.23	SQUARE MILES	15000	**2006**	**2018**	15000 (PCBs) VAP-C01E-17 The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

VAP-C01E_DIV03A00 **Dividing Creek** NORTHUMBERLAND CO

From the downstream limit of VDH-DSS SFC 015-22A, 4/25/2003, to the mouth at Chesapeake Bay.

CB5MH.

Size adjusted in 2006 cycle due a reduction in size of the upstream condemnation.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.98	SQUARE MILES	15000	**2006**	**2018**	15000 (PCBs) VAP-C01E-17 The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay and Tributaries**

TMDL Group ID: **15000**

VAP-C01E_DVN01A04 **Davenport Creek** LANCASTER CO

Described in VDH Shellfish Condemnation 017-188B, 7/13/2004

CB5MH

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.02	SQUARE MILES	15000	**2006**	**2018**	VAP-C01E-17 The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

VAP-C01E_DYM01A98 **Dymer Creek** LANCASTER CO

Described in the condemnation notice 016-24A, 1/6/2004. Area expanded in 2006 cycle.

CB5MH.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.23	SQUARE MILES	15000	**2006**	**2018**	15000 (PCBs) VAP-C01E-17 The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

VAP-C01E_DYM02A00 **Dymer Creek** LANCASTER CO

Dymer Creek downstream of VDH-DSS SFC 016-24A 1/6/2004, unless otherwise segmented.

CB5MH

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.75	SQUARE MILES	15000	**2006**	**2018**	15000 (PCBs) VAP-C01E-17 The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay and Tributaries**

TMDL Group ID: **15000**

VAP-C01E_DYM03A06 **Dymer Creek** LANCASTER CO

Mouth of Dymer Creek at Grog Island

CB5MH.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.08	SQUARE MILES	15000	**2006**	**2018**	15000 (PCBs) VAP-C01E-17 The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

VAP-C01E_FLB01A00 **Fleets Bay** LANCASTER CO NORTHUMBERLAND CO

Fleets Bay north of Bluff Point at Barnes Creek south to Fleets Island.

CB5MH.

Size adjusted in 2006 cycle.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	5.21	SQUARE MILES	15000	**2006**	**2018**	15000 (PCBs) VAP-C01E-17 The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

VAP-C01E_GEO01A98 **Georges Cove** LANCASTER CO

Described in the condemnation notice 016-24C, 1/6/2004. The area expanded in the 2006 cycle.

CB5MH.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.03	SQUARE MILES	15000	**2006**	**2018**	15000 (PCBs), VAP-C01E-17 The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay and Tributaries**

TMDL Group ID: **15000**

VAP-C01E_GOU01A06 **Gougher Creek** NORTHUMBERLAND CO

Described in VDH-DSS Shellfish Condemnation 013-089E, 4/16/2006. Area expanded in 2006 cycle.

CB5MH.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.03	SQUARE MILES	15000	**2006**	**2018**	15000 (PCBs) VAP-C01E-17 The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

VAP-C01E_GWR01A98 **Great Wicomico River** NORTHUMBERLAND CO

Described in the condemnation notice 013-089A, 4/16/2004.

CB5MH

Size increased in 2004 cycle.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.55	SQUARE MILES	15000	**2006**	**2018**	15000 (PCBs) VAP-C01E-17 The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay and Tributaries**

TMDL Group ID: **15000**

VAP-C01E_GWR02A00 **Great Wicomico River** NORTHUMBERLAND CO

From VDH-DSS SFC No. 013-089A, 4/16/2004, downstream to Rogue Point.

CB5MH.

Size adjusted in 2006 cycle.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	2.05	SQUARE MILES	15000	**2006**	**2018**	15000 (PCBs) VAP-C01E-17 The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass. This segment of the Great Wicomico River was also considered impaired for the Fish Consumption Use due to elevated levels of PCBs found in the fish tissue of Gizzard Shad and Croaker at DEQ station 7-GWR007.97.

Sources: Source Unknown

VAP-C01E_GWR02B06 **Great Wicomico River** NORTHUMBERLAND CO

As described in VDH-DSS Shellfish Condemnation No. 013-089M1, 4/16/2004.

CB5MH.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.02	SQUARE MILES	15000	**2006**	**2018**	15000 (PCBs) VAP-C01E-17 Assessment information from VAP-C01E_GWR02A00 The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay and Tributaries**

TMDL Group ID: **15000**

VAP-C01E_GWR02C06 | **Great Wicomico River at Coles Creek** | NORTHUMBERLAND CO

As described in VDH-DSS Shellfish Condemnation No. 013-089M2, 4/16/2004.

CB5MH.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.01	SQUARE MILES	15000	**2006**	**2018**	15000 (PCBs) VAP-C01E-17 The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass. This segment of the Great Wicomico River was also considered impaired for the Fish Consumption Use due to elevated levels of PCBs found in the fish tissue of Gizzard Shad and Croaker at DEQ station 7-GWR007.97.

Sources: Source Unknown

VAP-C01E_GWR03A06 | **Great Wicomico River** | NORTHUMBERLAND CO

From Rogue Point (GWR02A00) downstream to Ingram Bay at Dameron Marsh.

CB5MH.

Size adjusted in 2006 cycle.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	5.84	SQUARE MILES	15000	**2006**	**2018**	15000 (PCBs) VAP-C01E-17 The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay and Tributaries**

TMDL Group ID: **15000**

VAP-C01E_HEN01A00 **Henrys Creek** NORTHUMBERLAND CO From its tidal limit to its mouth at Indian Creek.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.21	SQUARE MILES	15000	**2006**	**2018**	15000 (PCBs), VAP-C01E-17 The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

VAP-C01E_HHB01A98 **Horn Harbor** NORTHUMBERLAND CO Described in the condemnation notice 013-089H, 4/16/2004. Area expanded for the 2006 cycle.

CB5MH.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.07	SQUARE MILES	15000	**2006**	**2018**	15000 (PCBs) VAP-C01E-17 The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

VAP-C01E_HNT01A98 **Hunts Cove** LANCASTER CO Described in the condemnation notice 24C, 2/27/1998.

CB5MH.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.01	SQUARE MILES	15000	**2006**	**2018**	15000 (PCBs) VAP-C01E-17 The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay and Tributaries**

TMDL Group ID: **15000**

VAP-C01E_IND01A98 **Indian Creek, Pitmans Cove** LANCASTER CO NORTHUMBERLAND CO

Described in the condemnation notice 016-57A, 11/30/2000.

CB5MH.

Pitmans Cove VAP-C01E_PIT01A98 and VAP-C01E_IND01A98 were incorporated into this segment, and were deleted in 2006.

VA Overall AU Category: **5A**

Use	Impairment	0.42 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		15000	**2006**	**2018**	15000 (PCBs) VAP-C01E-17 The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass. This segment was also assessed with observed effects for arsenic in fish tissue at station 7-IND001.80. This was not an impairing cause.

Sources: Source Unknown

VAP-C01E_IND02A98 **Indian Creek** LANCASTER CO NORTHUMBERLAND CO

Described in the condemnation notice 016-57B, 11/30/2000.

CB5MH.

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		15000	**2006**	**2018**	15000 (PCBs) VAP-C01E-17 Assessment information IND01A98 The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass. There was an observed effect for arsenic found in the fish tissue at downstream station 7-IND001.80. This was not an impairing cause.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay and Tributaries**

TMDL Group ID: **15000**

VAP-C01E_IND03A00 **Indian Creek** LANCASTER CO NORTHUMBERLAND CO

From end of condemnation 016-057A 11/30/2000, downstream to mouth.

CB5MH.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.66	SQUARE MILES	15000	**2006**	**2018**	15000 (PCBs) VAP-C01E-17 The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

VAP-C01E_IND03B06 **Indian Creek** NORTHUMBERLAND CO

As described in VDH-DSS Seasonal Shellfish Condemnation No. 016-M174, 4/13/1989.

CB5MH.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.02	SQUARE MILES	15000	**2006**	**2018**	15000 (PCBs) VAP-C01E-17 The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

VAP-C01E_JAR01A02 **Jarvis Creek** NORTHUMBERLAND CO

As described in the condemnation notice 015-022F, 4/25/2003.

CB5MH.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.07	SQUARE MILES	15000	**2006**	**2018**	15000 (PCBs) VAP-C01E-17 The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay and Tributaries**

TMDL Group ID: **15000**

VAP-C01E_JOH01A06 **Johnson Creek** LANCASTER CO

Area as described in VDH-DSS SFC 016-24D 1/6/2004.

CB5MH

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.01	SQUARE MILES	15000	**2006**	**2018**	15000 (PCBs) VAP-C01E-17 The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

VAP-C01E_LEE01A02 **Lees Cove** LANCASTER CO

As described in the condemnation notice 016-24B, 1/6/2004.

CB5MH

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.02	SQUARE MILES	15000	**2006**	**2018**	15000 (PCBs) VAP-C01E-17 The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

VAP-C01E_LRC01A06 **Lawrence Cove** NORTHUMBERLAND CO

As described in VDH-DSS SF Condemnation 015-022B, 4/25/2003

CB5MH.

Size adjusted in 2006 cycle due a reduction in size of the upstream condemnation.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.09	SQUARE MILES	15000	**2006**	**2018**	15000 (PCBs) VAP-C01E-17 The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay and Tributaries**

TMDL Group ID: **15000**

VAP-C01E_LTB01A02 **Little Bay** LANCASTER CO

Little Bay

CB5MH.

Size adjusted 2006.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	1.09	SQUARE MILES	15000	**2006**	**2018**	15000 (PCBs) VAP-C01E-17 The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

VAP-C01E_LTM01A98 **Little Taskmasters Creek** NORTHUMBERLAND CO

Described in the condemnation notice 11-190A, 4/2/1999.

DELIST: VDH-DSS SFC No. 11-190, 2/18/2004.

CB5MH.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.04	SQUARE MILES	15000	**2006**	**2018**	15000 (PCBs) VAP-C01E-17 The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay and Tributaries**

TMDL Group ID: **15000**

VAP-C01E_MIL01A98 **Mill Creek** NORTHUMBERLAND CO

Described in the condemnation notice 014-123A, 8/3/2004.

The area expanded for 2006.

CB5MH.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.47	SQUARE MILES	15000	**2006**	**2018**	15000 (PCBs) VAP-C01E-17 The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

VAP-C01E_MIL01B06 **Mill Creek** NORTHUMBERLAND CO

Downstream of Clay Point.

CB5MH.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	1.17	SQUARE MILES	15000	**2006**	**2018**	15000 (PCBs) VAP-C01E-17, The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

VAP-C01E_OWN01A98 **Owens Pond** NORTHUMBERLAND CO

Described in the condemnation notice 122, 1/3/1992.

CB5MH.

Size adjusted in 2006 cycle.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.17	SQUARE MILES	15000	**2006**	**2018**	15000 (PCBs) VAP-C01E-17 The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay and Tributaries**

TMDL Group ID: **15000**

VAP-C01E_PNT01A02 **Prentice Creek** NORTHUMBERLAND CO

Described in the condemnation notice 015-022D, 4/25/2003.

CB5MH.

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		15000	**2006**	**2018**	15000 (PCBs) VAP-C01E-17 The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

VAP-C01E_PNT02A02 **Prentice Creek** NORTHUMBERLAND CO

From VDH-DSS SFC 015-022D & 015-022E, 4/25/2003, downstream to its mouth.

CB5MH.

VA Overall AU Category: **5A**

Use	Impairment	0.17 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		15000	**2006**	**2018**	15000 (PCBs) VAP-C01E-17 The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

VAP-C01E_PNT03A02 **Prentice Creek** NORTHUMBERLAND CO

Described in the condemnation notice 015-022E, 4/25/2003.

CB5MH.

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		15000	**2006**	**2018**	15000 (PCBs) VAP-C01E-17 The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay and Tributaries**

TMDL Group ID: **15000**

VAP-C01E_TBS01A98 **Tabbs Creek** LANCASTER CO

Described in the condemnation notice 016-133, 12/6/2002.

Size reduced in 2004 cycle.

CB5MH

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.07	SQUARE MILES	15000	**2006**	**2018**	VAP-C01E-17 The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

VAP-C01E_TBS02A00 **Tabbs Creek** LANCASTER CO

Tabbs Creek downstream of VDH-DSS SFC 133, 12/6/2002.

CB5MH.

Size adjusted in 2006 cycle.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.33	SQUARE MILES	15000	**2006**	**2018**	VAP-C01E-17 The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

VAP-C01E_TIP01A98 **Tipers Creek** NORTHUMBERLAND CO

Described in the condemnation notice 013-089C, 4/16/2004.

Area expanded in 2006 cycle,

CB5MH.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.14	SQUARE MILES	15000	**2006**	**2018**	15000 (PCBs) VAP-C01E-17 The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay and Tributaries**

TMDL Group ID: **15000**

VAP-C01E_TOW01A06 **Towles Creek** NORTHUMBERLAND CO

Described in VDH-DSS Seasonal Shellfish Condemnation 014-123M1, 8/3/2004.

CB5MH.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.02	SQUARE MILES	15000	**2006**	**2018**	15000 (PCBs) VAP-C01E-17 The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

VAP-C01E_WHY01A98 **Whays Creek** NORTHUMBERLAND CO

Described in the condemnation notice 013-089F, 4/16/2004. Area expanded for the 2006 cycle.

CB5MH.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.14	SQUARE MILES	15000	**2006**	**2018**	15000 (PCBs) VAP-C01E-17 The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

VAP-C01E_WRH01A98 **Warehouse Creek** NORTHUMBERLAND CO

Described in the condemnation notice 013-089G, 4/16/2004. Area expanded for the 2006 cycle.

CB5MH.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.08	SQUARE MILES	15000	**2006**	**2018**	15000 (PCBs) VAP-C01E-17 The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay and Tributaries**

TMDL Group ID: **15000**

VAP-C01E_XDL01A02	Chesapeake Bay, UT	NORTHUMBERLAND CO	As described in condemnation notice 011-190, 2/18/2004. CB5MH. Size adjusted in 2006 cycle.

VA Overall AU Category: **5A**

Use	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		15000	**2006**	**2018**	15000 (PCBs) VAP-C01E-17 The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

VAP-C01E_XUC01A98	Unnamed Cove of Dividing Creek	NORTHUMBERLAND CO	Described in the condemnation notice 015-022C, 4/25/2003. CB5MH.

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		15000	**2006**	**2018**	15000 (PCBs) VAP-C01E-17 The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

VAP-C01E_ZZZ01A00	Unsegmented estuaries in C01	LANCASTER CO NORTHUMBERLAND CO	Unsegmented portion of the watershed. HUC 02080102. Size adjusted in 2006.

VA Overall AU Category: **5A**

Use	Impairment	2.97 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		15000	**2006**	**2018**	15000 (PCBs) VAP-C01E-17 The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay and Tributaries**

TMDL Group ID: **15000**

VAP-C02E_DRN01A02 | **Dragon Swamp** | GLOUCESTER CO MIDDLESEX CO | The tidal portion of Dragon Swamp.

PIAMH.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	1.11	SQUARE MILES	15000	**2006**	**2018**	15000 (PCBs) VAP-C01E-17 The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

VAP-C03E_COB01A02 | **Cobbs Creek** | MATHEWS CO | As described in the condemnation notice 170, 3/2/1993.

PIAMH.

VA Overall AU Category: **5D**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.05	SQUARE MILES	15000	**2006**	**2018**	15000 (PCBs) VAP-C01E-17 The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

VAP-C03E_COB02A02 | **Cobbs Creek** | MATHEWS CO | As described in VDH-DSS SFC No. 034-170, 10/13/2003, not otherwise segmented.

PIAMH.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.05	SQUARE MILES	15000	**2006**	**2018**	15000 (PCBs) VAP-C01E-17 The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay and Tributaries**

TMDL Group ID: **15000**

VAP-C03E_FER01A98 **Ferry Creek** GLOUCESTER CO

Described in the condemnation notice 035-171, 6/9/1998.

PIAMH.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.09	SQUARE MILES	15000	**2006**	**2018**	15000 (PCBs) VAP-C01E-17 The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

VAP-C03E_FRE01A02 **Frenchs Creek** GLOUCESTER CO

As described in the condemnation notice 035-076B, 9/3/2004.

PIAMH.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.01	SQUARE MILES	15000	**2006**	**2018**	15000 (PCBs) VAP-C01E-17 The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

VAP-C03E_HEA01A02 **Healy Creek** MIDDLESEX CO

Described in the VDH-DSS Shellfish Condemnation Notice 129, 3/3/1997.

PIAMH.

VA Overall AU Category: **5D**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.05	SQUARE MILES	15000	**2006**	**2018**	15000 (PCBs) VAP-C01E-17 The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay and Tributaries**

TMDL Group ID: **15000**

VAP-C03E_HEA02A06 **Healy Creek** MIDDLESEX CO

Described in the VDH-DSS Shellfish Condemnation Notice 129, 2/26/1999.

PIAMH.

VA Overall AU Category: **5A**

Use	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		15000	**2006**	**2018**	15000 (PCBs) VAP-C01E-17 The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

VAP-C03E_HRP01A98 **Harper Creek** GLOUCESTER CO

Described in the condemnation notice 035-076A, 9/3/2006. Harper Creek is a portion of the Piankatank River condemnation.

PIAMH.

Size adjusted in 2006 cycle.

VA Overall AU Category: **5A**

Use	Impairment	0.07 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		15000	**2006**	**2018**	15000 (PCBs) VAP-C01E-17 The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay and Tributaries**

TMDL Group ID: **15000**

VAP-C03E_JCK01A98 **Jackson Creek** MIDDLESEX CO

Described in the condemnation notice 033-084A, 12/30/2004.

Size increased in 2006 cycle. Segments JCK01B98 and JCK01C98 were incorporated into this segment, then deleted.

PIAMH.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.30	SQUARE MILES	15000	**2006**	**2018**	15000 (PCBs) VAP-C01E-17 The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

VAP-C03E_MRE01A02 **Moore Creek** MIDDLESEX CO

As described in the condemnation notice 034-208A, 12/30/2004.

Area expanded in 2006 cycle. Segment MRE02A02 was incorporated into this segment, then deleted.

PIAMH.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.07	SQUARE MILES	15000	**2006**	**2018**	15000 (PCBs) VAP-C01E-17 The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay and Tributaries**

TMDL Group ID: **15000**

VAP-C03E_PNK01A02 **Piankatank River** GLOUCESTER CO MIDDLESEX CO

Watershed limit to Deep Point Boat Landing. Part of VDH-DSS SFC No. 035-076A, 9/3/2004.

PIAMH.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	2.22	SQUARE MILES	15000	**2006**	**2018**	15000 (PCBs) VAP-C01E-17 The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

VAP-C03E_PNK02A00 **Piankatank River** GLOUCESTER CO MIDDLESEX CO

Mainstem Piankatank from downstream limit of VDH-DSS SFC 035-076 down to PNK03A00.

PIAMH.

Size adjusted in 2006 cycle.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	4.58	SQUARE MILES	15000	**2006**	**2018**	15000 (PCBs) VAP-C01E-17 The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay and Tributaries**

TMDL Group ID: **15000**

VAP-C03E_PNK03A00	**Piankatank River**	MATHEWS CO MIDDLESEX CO	One-half mile radius around monitoring station 7-PNK005.36 on the Piankatank River between Pond Point and Iron Point. PIAMH.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	1.28	SQUARE MILES	15000	**2006**	**2018**	15000 (PCBs) VAP-C01E-17 The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

VAP-C03E_PNK04A00	**Piankatank River**	MATHEWS CO MIDDLESEX CO	Mainstem Piankatank River from PNK03A00 downstream to the point at Fishing Bay. PIAMH.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	3.49	SQUARE MILES	15000	**2006**	**2018**	15000 (PCBs) VAP-C01E-17 The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

VAP-C03E_PNK04B06	**Piankatank River, Porpoise Cove**	MIDDLESEX CO	As described in VDH-DSS SFC No. 034-208 M1 (seasonal), 12/30/2004. PIAMH.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.06	SQUARE MILES	15000	**2006**	**2018**	15000 (PCBs) VAP-C01E-17 The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay and Tributaries**

TMDL Group ID: **15000**

VAP-C03E_PNK04C06	**Piankatank River, Fishing Bay**	MIDDLESEX CO	As described in VDH-DSS SFC No. 034-208 M2 (seasonal), 12/30/2004. PIAMH.

VA Overall AU Category: **5A**

Use	Impairment	0.08 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		15000	**2006**	**2018**	15000 (PCBs) VAP-C01E-17 The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

VAP-C03E_PNK05A02	**Piankatank River**	MATHEWS CO MIDDLESEX CO	Piankatank River downstream of Fishing Bay at Stove Point to mouth at Chesapeake Bay PIAMH. Size adjusted in 2006 cycle.

VA Overall AU Category: **5A**

Use	Impairment	4.97 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		15000	**2006**	**2018**	15000 (PCBs) VAP-C01E-17 The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay and Tributaries**

TMDL Group ID: **15000**

VAP-C03E_PNK06A04	**Piankatank River**	GLOUCESTER CO MIDDLESEX CO	Deep Point Boat Landing downstream to limit of shellfish condemnation VDH-DSS Notice 035-076A, 9/3/2004. PIAMH. SFC area expanded in 2006 cycle.

VA Overall AU Category: **5A**

Use	Impairment	0.26 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		15000	**2006**	**2018**	15000 (PCBs) VAP-C01E-17 The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

VAP-C03E_WLT01A98	**Wilton Creek**	MIDDLESEX CO	Described in the condemnation notice 126, 3/2/1993. PIAMH.

VA Overall AU Category: **5D**

Use	Impairment	0.13 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		15000	**2006**	**2018**	15000 (PCBs) VAP-C01E-17 The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay and Tributaries**

TMDL Group ID: **15000**

VAP-C03E_ZZZ01A00 **Unsegmented estuaries in C03** GLOUCESTER CO

Unsegmented portion of the watershed.

Size adjusted in 2006 cycle.

PIAMH.

VA Overall AU Category: **5A**

Use	Impairment	0.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		15000	**2006**	**2018**	15000 (PCBs) VAP-C01E-17 The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

VAP-C04E_BKA01A98 **Back Creek** GLOUCESTER CO

Described in the condemnation notice 042-157C, 9/15/2004.

Size adjusted in 2006, although area did not change

MOBPH

VA Overall AU Category: **5A**

Use	Impairment	0.08 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		15000	**2006**	**2018**	VAP-C01E-17 The Chesapeake Bay and its small coastal tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than two meals/month are recommended of anadromous (coastal) striped bass. Also, VDH issued an additional separate fish consumption advisory on 12/13/2004 for PCBs in the Mobjack Bay and its tributaries, particularly the East, West, and Ware Rivers. No more than two meals/month of gizzard shad are recommended.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay and Tributaries**

TMDL Group ID: **15000**

VAP-C04E_BLP01A98 **Billups Creek** MATHEWS CO

Described in the condemnation notice 037-061C, 7/15/2004.

Size adjusted in 2006 although area did not change from 2004 cycle.

PIAMH

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.08	SQUARE MILES	15000	**2006**	**2018**	VAP-C01E-17

The Chesapeake Bay and its small coastal tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

VAP-C04E_BLW01A98 **Blackwater Creek** MATHEWS CO

Described in the condemnation notice 042-131A, 9/17/2004.

Size adjusted in 2006 cycle, although area did not change.

MOBPH

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.51	SQUARE MILES	15000	**2006**	**2018**	VAP-C01E-17

The Chesapeake Bay and its small coastal tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than two meals/month are recommended of anadromous (coastal) striped bass.

Also, VDH issued an additional separate fish consumption advisory on 12/13/2004 for PCBs in the Mobjack Bay and its tributaries, particularly the East, West, and Ware Rivers. No more than two meals/month of gizzard shad are recommended.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay and Tributaries**

TMDL Group ID: **15000**

VAP-C04E_BRN01A04 **Barn Creek** MATHEWS CO

Described in the previous condemnation notice 197A, 2/1/2001

Size adjusted in 2006 cycle, although area did not change

PIAMH

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.05	SQUARE MILES	15000	**2006**	**2018**	VAP-C01E-17

The Chesapeake Bay and its small coastal tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

VAP-C04E_DAV01A98 **Davis Creek** GLOUCESTER CO

Described in the condemnation notice 042-131B, 9/17/2004.

Size extended in 2004 cycle.

MOBPH

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.07	SQUARE MILES	15000	**2006**	**2018**	VAP-C01E-17

The Chesapeake Bay and its small coastal tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than two meals/month are recommended of anadromous (coastal) striped bass.

Also, VDH issued an additional separate fish consumption advisory on 12/13/2004 for PCBs in the Mobjack Bay and its tributaries, particularly the East, West, and Ware Rivers. No more than two meals/month of gizzard shad are recommended.

Sources: Source Unknown

VAP-C04E_DOC01A98 **Doctors Creek** MATHEWS CO

Described in the condemnation notice 039-026B, 3/18/2004.

CB6PH

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.01	SQUARE MILES	15000	**2006**	**2018**	VAP-C01E-17

The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay and Tributaries**

TMDL Group ID: **15000**

VAP-C04E_DOC02A02 **Doctors Creek** MATHEWS CO

Doctors Creek downstream of VDH-DSS SFC 026B.

CB6PH

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.06	SQUARE MILES	15000	**2006**	**2018**	VAP-C01E-17

The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

VAP-C04E_DVS01A98 **Davis Creek** MATHEWS CO

Described in the condemnation notice 040-085B, 12/27/2004

Size increased in 2006 cycle.

MOBPH

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.08	SQUARE MILES	15000	**2006**	**2018**	VAP-C01E-17 (PCBs)

The Chesapeake Bay and its small coastal tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than two meals/month are recommended of anadromous (coastal) striped bass.

Also, VDH issued an additional separate fish consumption advisory on 12/13/2004 for PCBs in the Mobjack Bay and its tributaries, particularly the East, West, and Ware Rivers. No more than two meals/month of gizzard shad are recommended.

Sources: Source Unknown

VAP-C04E_DYE02A04 **Dyer Creek** MATHEWS CO

Tidal limit to mouth

2006: Segment merged with DYE01A98

CB6PH

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.28	SQUARE MILES	15000	**2006**	**2018**	VAP-C04E-21

The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay and Tributaries**

TMDL Group ID: **15000**

VAP-C04E_EDW01A98 **Edwards Creek** MATHEWS CO

Described in the condemnation notice 197A, 2/19/2003.

PIAMH

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.03	SQUARE MILES	15000	**2006**	**2018**	VAP-C01E-17

The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

VAP-C04E_EDW02A98 **Edwards Creek** MATHEWS CO

Described in the condemnation notice 197B, 2/19/2003.

PIAMH

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.05	SQUARE MILES	15000	**2006**	**2018**	VAP-C01E-17

The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

VAP-C04E_ELM01A98 **Elmington Creek** GLOUCESTER CO

Described in the condemnation notice 042-157B, 9/17/2004.

Size increased in 2006 cycle.

MOBPH

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.07	SQUARE MILES	15000	**2006**	**2018**	VAP-C01E-17

The Chesapeake Bay and its small coastal tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than two meals/month are recommended of anadromous (coastal) striped bass.

Also, VDH issued an additional separate fish consumption advisory on 12/13/2004 for PCBs in the Mobjack Bay and its tributaries, particularly the East, West, and Ware Rivers. No more than two meals/month of gizzard shad are recommended.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay and Tributaries**

TMDL Group ID: **15000**

VAP-C04E_EST01A98 **East River** MATHEWS CO

Described in the condemnation notice 092, 7/7/2003.

Size decreased in 2006 cycle.

MOBPH

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.14	SQUARE MILES	15000	**2006**	**2018**	VAP-C01E-17

The Chesapeake Bay and its small coastal tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than two meals/month are recommended of anadromous (coastal) striped bass.

Also, VDH issued an additional separate fish consumption advisory on 12/13/2004 for PCBs in the Mobjack Bay and its tributaries, particularly the East, West, and Ware Rivers. No more than two meals/month of gizzard shad are recommended.

Sources: Source Unknown

VAP-C04E_EST02A00 **East River** MATHEWS CO

East River and tribs from SFC 92 to mouth, not otherwise segmented.

MOBPH

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	2.89	SQUARE MILES	15000	**2006**	**2018**	VAP-C01E-17 (PCBs)

The Chesapeake Bay and its small coastal tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than two meals/month are recommended of anadromous (coastal) striped bass.

Also, VDH issued an additional separate fish consumption advisory on 12/13/2004 for PCBs in the Mobjack Bay and its tributaries, particularly the East, West, and Ware Rivers. No more than two meals/month of gizzard shad are recommended.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay and Tributaries**

TMDL Group ID: **15000**

VAP-C04E_EST03A06 **East River, UT** MATHEWS CO Described in VDH-DSS SFC 041-212M2, 9/15/2004

MOBPH

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		15000	**2006**	**2018**	VAP-C01E-17 (PCBs)

The Chesapeake Bay and its small coastal tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than two meals/month are recommended of anadromous (coastal) striped bass.

Also, VDH issued an additional separate fish consumption advisory on 12/13/2004 for PCBs in the Mobjack Bay and its tributaries, particularly the East, West, and Ware Rivers. No more than two meals/month of gizzard shad are recommended.

Sources: Source Unknown

VAP-C04E_EST04A02 **East River, UT** MATHEWS CO As described in condemnation notice 041-212B, 9/15/2004.

MOBPH

VA Overall AU Category: **5A**

Use	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		15000	**2006**	**2018**	VAP-C01E-17 (PCBs)

The Chesapeake Bay and its small coastal tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than two meals/month are recommended of anadromous (coastal) striped bass.

Also, VDH issued an additional separate fish consumption advisory on 12/13/2004 for PCBs in the Mobjack Bay and its tributaries, particularly the East, West, and Ware Rivers. No more than two meals/month of gizzard shad are recommended.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay and Tributaries**

TMDL Group ID: **15000**

VAP-C04E_EST05A06 **East River, UT** MATHEWS CO

Described in VDH-DSS SFC 041-212M1, 9/15/2004

MOBPH

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		15000	**2006**	**2018**	VAP-C01E-17 (PCBs)

The Chesapeake Bay and its small coastal tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than two meals/month are recommended of anadromous (coastal) striped bass.

Also, VDH issued an additional separate fish consumption advisory on 12/13/2004 for PCBs in the Mobjack Bay and its tributaries, particularly the East, West, and Ware Rivers. No more than two meals/month of gizzard shad are recommended.

Sources: Source Unknown

VAP-C04E_GDN01A06 **Garden Creek** MATHEWS CO

Tidal limit to mouth

CB6PH

VA Overall AU Category: **5A**

Use	Impairment	0.58 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		15000	**2006**	**2018**	VAP-C01E-17 (PCBs)

The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

VAP-C04E_HAH01A98 **Horn Harbor** MATHEWS CO

Described in the condemnation notice 039-026A, 3/18/2004.

Segment shortened in 2006

CB6PH

VA Overall AU Category: **5A**

Use	Impairment	0.05 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		15000	**2006**	**2018**	VAP-C01E-17 (PCBs)

The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay and Tributaries**

TMDL Group ID: **15000**

VAP-C04E_HAH02A02 **Horn Harbor** MATHEWS CO

From SFC 26A downstream to the mouth, unless otherwise segmented.

CB5PH

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	1.56	SQUARE MILES	15000	**2006**	**2018**	VAP-C01E-17 (PCBs) The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

VAP-C04E_HAH03A06 **Horn Harbor** MATHEWS CO

Described in VDH-DSS SFC 039-026M1, 3/18/2004

CB5PH

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.07	SQUARE MILES	15000	**2006**	**2018**	VAP-C01E-17 (PCBs) The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

VAP-C04E_HAH04A06 **Horn Harbor** MATHEWS CO

Described in VDH Shellfish Condemnation 039-M97, 4/13/1989

CB5PH

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.02	SQUARE MILES	15000	**2006**	**2018**	VAP-C01E-17 (PCBs) The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay and Tributaries**

TMDL Group ID: **15000**

VAP-C04E_LAN01A02 **Lanes Creek** MATHEWS CO

As described in previous condemnation notice 037-099C, 2/1/2001.

PIAMH

VA Overall AU Category: **5A**

Use	Impairment	0.05 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		15000	**2006**	**2018**	VAP-C01E-17 (PCBs)

The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

VAP-C04E_MID01A02 **Winder Creek** MATHEWS CO

As described in the condemnation notice 037-099C, 4/28/2004.

PIAMH

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		15000	**2006**	**2018**	VAP-C01E-17 (PCBs)

The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

VAP-C04E_MIS01A04 **Miles Creek** MATHEWS CO

Described in VDH Condemnation Notice 041-212A, 9/15/2004.

MOBPH

VA Overall AU Category: **5A**

Use	Impairment	0.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		15000	**2006**	**2018**	VAP-C01E-17

The Chesapeake Bay and its small coastal tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than two meals/month are recommended of anadromous (coastal) striped bass.

Also, VDH issued an additional separate fish consumption advisory on 12/13/2004 for PCBs in the Mobjack Bay and its tributaries, particularly the East, West, and Ware Rivers. No more than two meals/month of gizzard shad are recommended.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay and Tributaries**

TMDL Group ID: **15000**

VAP-C04E_MLF01A98 **Milford Haven** MATHEWS CO

Described in the condemnation notice 037-099D, 4/28/2004.

PIAMH

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.03	SQUARE MILES	15000	**2006**	**2018**	VAP-C01E-17

The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

VAP-C04E_MLF02A98 **Milford Haven** MATHEWS CO

Described in the condemnation notice 037-099E, 4/28/2004.

Size adjusted in 2006, although area did not change

PIAMMH

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.03	SQUARE MILES	15000	**2006**	**2018**	VAP-C01E-17

The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

VAP-C04E_MLF03A00 **Milford Haven** MATHEWS CO

Downstream of SFC037-099E, 4/28/2004 except as otherwise segmented.

PIAMH

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	1.43	SQUARE MILES	15000	**2006**	**2018**	VAP-C01E-17

The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay and Tributaries**

TMDL Group ID: **15000**

VAP-C04E_MLF04A06 **Milford Haven** MATHEWS CO Hills Bay

PIAMH

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	2.28	SQUARE MILES	15000	**2006**	**2018**	VAP-C01E-17

The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

VAP-C04E_MLF05A06 **Milford Haven** MATHEWS CO Described in VDH-DSS condemnation 037-099M1, 4/28/2004

PIAMH

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.03	SQUARE MILES	15000	**2006**	**2018**	VAP-C01E-17

The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

VAP-C04E_MRC01A98 **Morris Creek** MATHEWS CO Tidal limit to approximately rivermile 0.15.

PIAMH

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.08	SQUARE MILES	15000	**2006**	**2018**	VAP-C01E-17

The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay and Tributaries**

TMDL Group ID: **15000**

VAP-C04E_MRC02A06 **Morris Creek** MATHEWS CO

Rivermile 0.15 downstream to end of condemnation 037-061B, 7/15/2004

PIAMH

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.02	SQUARE MILES	15000	**2006**	**2018**	VAP-C01E-17

The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

VAP-C04E_NOR01A02 **North River** GLOUCESTER CO MATHEWS CO

Described in the condemnation notice 042-157A, 9/17/2004

Size increased in 2006 cycle

MOBPH

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.69	SQUARE MILES	15000	**2006**	**2018**	VAP-C01E-17

The Chesapeake Bay and its small coastal tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than two meals/month are recommended of anadromous (coastal) striped bass.

Also, VDH issued an additional separate fish consumption advisory on 12/13/2004 for PCBs in the Mobjack Bay and its tributaries, particularly the East, West, and Ware Rivers. No more than two meals/month of gizzard shad are recommended.

Sources: Source Unknown

VAP-C04E_NOR02A02 **North River** GLOUCESTER CO MATHEWS CO

North River and tribs from SFC 157A to Mobjack Bay, except as otherwise segmented.

MOBPH

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	4.87	SQUARE MILES	15000	**2006**	**2018**	VAP-C01E-17

The Chesapeake Bay and its small coastal tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than two meals/month are recommended of anadromous (coastal) striped bass.

Also, VDH issued an additional separate fish consumption advisory on 12/13/2004 for PCBs in the Mobjack Bay and its tributaries, particularly the East, West, and Ware Rivers. No more than two meals/month of gizzard shad are recommended.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay and Tributaries**

TMDL Group ID: **15000**

VAP-C04E_PEP01A06 **Pepper Creek** MATHEWS CO

As described in the condemnation notice 040-085A, 12/27/2004.

MOBPH

VA Overall AU Category: **5A**

Use	Impairment	0.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		15000	**2006**	**2018**	VAP-C01E-17 (PCBs)

The Chesapeake Bay and its small coastal tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than two meals/month are recommended of anadromous (coastal) striped bass.

Also, VDH issued an additional separate fish consumption advisory on 12/13/2004 for PCBs in the Mobjack Bay and its tributaries, particularly the East, West, and Ware Rivers. No more than two meals/month of gizzard shad are recommended.

Sources: Source Unknown

VAP-C04E_PUT01A98 **Put In Creek** MATHEWS CO

Described in the condemnation notice 041-005A, 9/15/2004.

Size adjusted in 2006 cycle, although area did not change.

MOBPH

VA Overall AU Category: **5A**

Use	Impairment	0.13 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		15000	**2006**	**2018**	VAP-C01E-17

The Chesapeake Bay and its small coastal tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than two meals/month are recommended of anadromous (coastal) striped bass.

Also, VDH issued an additional separate fish consumption advisory on 12/13/2004 for PCBs in the Mobjack Bay and its tributaries, particularly the East, West, and Ware Rivers. No more than two meals/month of gizzard shad are recommended.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay and Tributaries**

TMDL Group ID: **15000**

VAP-C04E_PUT02A98 **Put In Creek** MATHEWS CO

Described in the condemnation notice 041-005B, 9/15/2004.

MOBPH

VA Overall AU Category: **5A**

Use	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		15000	**2006**	**2018**	VAP-C01E-17

The Chesapeake Bay and its small coastal tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than two meals/month are recommended of anadromous (coastal) striped bass.

Also, VDH issued an additional separate fish consumption advisory on 12/13/2004 for PCBs in the Mobjack Bay and its tributaries, particularly the East, West, and Ware Rivers. No more than two meals/month of gizzard shad are recommended.

Sources: Source Unknown

VAP-C04E_QUE01A98 **Queens Creek** MATHEWS CO

Described in the condemnation notice 037-099A, 4/28/2004.

Size reduced in 2006 cycle.

PIAMH

VA Overall AU Category: **5A**

Use	Impairment	0.23 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		15000	**2006**	**2018**	VAP-C04E-17

The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

VAP-C04E_QUE01B06 **Queens Creek** MATHEWS CO

Described in the condemnation notice 037-099B, 4/28/2004.

Segment split from VAP-C04E_QUE01A98 in 2006

PIAMH

VA Overall AU Category: **5A**

Use	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		15000	**2006**	**2018**	VAP-C04E-17

The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay and Tributaries**

TMDL Group ID: **15000**

VAP-C04E_QUE02A06 **Queens Creek** MATHEWS CO

Described in the condemnation notice 037-099M2, 4/28/2004.

Segment split from VAP-C04E_QUE01A98 in 2006

PIAMH

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.01	SQUARE MILES	15000	**2006**	**2018**	VAP-C04E-17

The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

VAP-C04E_QUE03A06 **Queens Creek** MATHEWS CO

Downstream of condemnation areas 099A, B, and M2, 4/28/2004.

Segment split from VAP-C04E_QUE01A98 in 2006

PIAMH

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.01	SQUARE MILES	15000	**2006**	**2018**	VAP-C04E-17

The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

VAP-C04E_STT01A98 **Stutts Creek** MATHEWS CO

Described in the condemnation notice 037-061A, 7/15/2004.

Segment shortened in 2006 cycle.

PIAMH

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.09	SQUARE MILES	15000	**2006**	**2018**	VAP-C01E-17

The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay and Tributaries**

TMDL Group ID: **15000**

VAP-C04E_STT01B06 **Stutts Creek (Hole in the Wall)** MATHEWS CO Described in VDH-DSS condemnation 037-061M1, 7/15/2004

PIAMH

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.02	SQUARE MILES	15000	**2006**	**2018**	VAP-C01E-17

The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

VAP-C04E_STT02A00 **Stutts Creek** MATHEWS CO Tidal limits to Fanneys Point, except as otherwise segmented.

PIAMH

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.23	SQUARE MILES	15000	**2006**	**2018**	VAP-C01E-17

The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

VAP-C04E_STT03A06 **Stutts Creek** MATHEWS CO Described in VDH-DSS SFC 037-061M2, 7/15/2004

PIAMH

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.01	SQUARE MILES	15000	**2006**	**2018**	VAP-C01E-17

The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay and Tributaries**

TMDL Group ID: **15000**

VAP-C04E_STT04A06 **Stutts Creek** MATHEWS CO Described in VDH-DSS SFC 037-061M3, 7/15/2004

PIAMH

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.03	SQUARE MILES	15000	**2006**	**2018**	VAP-C01E-17

The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

VAP-C04E_WHA01A06 **Wharf Creek** MATHEWS CO Described in VDH-DSS SFC 036-M87, 4/13/1989

PIAMH

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.01	SQUARE MILES	15000	**2006**	**2018**	VAP-C01E-17

The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

VAP-C04E_WIN01A06 **Winter Harbor** MATHEWS CO Described in the condemnation notice 038-178A, 4/29/2004.

CB6PH

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.11	SQUARE MILES	15000	**2006**	**2018**	VAP-C01E-17

The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay and Tributaries**

TMDL Group ID: **15000**

VAP-C04E_WIN01B00 | **Winter Harbor** | MATHEWS CO | Waters within a 1/2 mile radius of monitoring station 7-WIN000.88, not otherwise segmented.

CB6PH

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.35	SQUARE MILES	15000	**2006**	**2018**	VAP-C01E-17 (PCBs)

The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

VAP-C04E_WIN02B06 | **Winter Harbor** | MATHEWS CO | Described in VDH-DSS SFC 038-178M1, 4/29/2004

CB6PH

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.03	SQUARE MILES	15000	**2006**	**2018**	VAP-C01E-17 (PCBs)

The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

VAP-C04E_WIN03A06 | **Winter Harbor** | MATHEWS CO | Northern portion of Winter Harbor

CB6PH

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	1.22	SQUARE MILES	15000	**2006**	**2018**	VAP-C01E-17 (PCBs)

The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay and Tributaries**

TMDL Group ID: **15000**

VAP-C04E_ZZZ01A00 **Unsegmented estuaries in C04** MATHEWS CO Unsegmented portion of the watershed within PIAMH

VA Overall AU Category: **5A**

Use	Impairment	2.65 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		15000	**2006**	**2018**	VAP-C01E-17 The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

VAP-C04E_ZZZ02A06 **Unsegmented estuaries in C04** MATHEWS CO Unsegmented portion within CB6PH

VA Overall AU Category: **5A**

Use	Impairment	0.34 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		15000	**2006**	**2018**	VAP-C01E-17 (PCBs) The Chesapeake Bay and its tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than 2 meals/month are recommended of anadromous (coastal) striped bass.

Sources: Source Unknown

VAP-C04E_ZZZ03A06 **Unsegmented estuaries in C04** MATHEWS CO Unsegmented portion within MOBPH

VA Overall AU Category: **5A**

Use	Impairment	0.37 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		15000	**2006**	**2018**	VAP-C01E-17 The Chesapeake Bay and its small coastal tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than two meals/month are recommended of anadromous (coastal) striped bass. Also, VDH issued an additional separate fish consumption advisory on 12/13/2004 for PCBs in the Mobjack Bay and its tributaries, particularly the East, West, and Ware Rivers. No more than two meals/month of gizzard shad are recommended.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay and Tributaries**

TMDL Group ID: **15000**

VAP-C05E_WAR01A02 **Ware River** GLOUCESTER CO

Described in the condemnation notice 043-096A, 7/6/2004.

Size increased in 2006 cycle.

MOBPH

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.81	SQUARE MILES	15000	**2006**	**2018**	VAP-C01E-17

The Chesapeake Bay and its small coastal tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than two meals/month are recommended of anadromous (coastal) striped bass.

Also, VDH issued an additional separate fish consumption advisory on 12/13/2004 for PCBs in the Mobjack Bay and its tributaries, particularly the East, West, and Ware Rivers. No more than two meals/month of gizzard shad are recommended.

Sources: Source Unknown

VAP-C05E_WAR02A02 **Ware River** GLOUCESTER CO

Ware River downstream of SFC 096.

Size adjusted during 2006 cycle

MOBPH.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	6.10	SQUARE MILES	15000	**2006**	**2018**	VAP-C01E-17 (PCBs)

The Chesapeake Bay and its small coastal tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than two meals/month are recommended of anadromous (coastal) striped bass.

Also, VDH issued an additional separate fish consumption advisory on 12/13/2004 for PCBs in the Mobjack Bay and its tributaries, particularly the East, West, and Ware Rivers. No more than two meals/month of gizzard shad are recommended.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay and Tributaries**

TMDL Group ID: **15000**

VAP-C05E_WIL01A98 **Wilson Creek** GLOUCESTER CO

Described in the condemnation notice 043-096B, 7/6/2004.

Segment expanded in 2006 cycle

MOBPH

VA Overall AU Category: **5A**

Use	Impairment	0.34 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		15000	**2006**	**2018**	VAP-C01E-17

The Chesapeake Bay and its small coastal tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than two meals/month are recommended of anadromous (coastal) striped bass.

Also, VDH issued an additional separate fish consumption advisory on 12/13/2004 for PCBs in the Mobjack Bay and its tributaries, particularly the East, West, and Ware Rivers. No more than two meals/month of gizzard shad are recommended.

Sources: Source Unknown

VAP-C05E_ZZZ01A00 **Unsegmented estuaries in C05** GLOUCESTER CO

Unsegmented portion of the watershed.

MOBPH

VA Overall AU Category: **5A**

Use	Impairment	0.19 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		15000	**2006**	**2018**	VAP-C01E-17

The Chesapeake Bay and its small coastal tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than two meals/month are recommended of anadromous (coastal) striped bass.

Also, VDH issued an additional separate fish consumption advisory on 12/13/2004 for PCBs in the Mobjack Bay and its tributaries, particularly the East, West, and Ware Rivers. No more than two meals/month of gizzard shad are recommended.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay and Tributaries**

TMDL Group ID: **15000**

VAP-C06E_FSC01A98 **Free School Creek** GLOUCESTER CO Tidal limit to mouth

MOBPH

VA Overall AU Category: **5A**

Use	Impairment	0.08 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		15000	**2006**	**2018**	VAP-C01E-17 (PCBs)

The Chesapeake Bay and its small coastal tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than two meals/month are recommended of anadromous (coastal) striped bass.

Also, VDH issued an additional separate fish consumption advisory on 12/13/2004 for PCBs in the Mobjack Bay and its tributaries, particularly the East, West, and Ware Rivers. No more than two meals/month of gizzard shad are recommended.

Sources: Source Unknown

VAP-C06E_HEY01A98 **Heywood Creek** GLOUCESTER CO Described in the condemnation notice 044-054A, 4/16/2004.

Size adjusted during 2006 cycle, although area did not change.

MOBPH

VA Overall AU Category: **5A**

Use	Impairment	0.06 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		15000	**2006**	**2018**	VAP-C01E-17

The Chesapeake Bay and its small coastal tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than two meals/month are recommended of anadromous (coastal) striped bass.

Also, VDH issued an additional separate fish consumption advisory on 12/13/2004 for PCBs in the Mobjack Bay and its tributaries, particularly the East, West, and Ware Rivers. No more than two meals/month of gizzard shad are recommended.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay and Tributaries**

TMDL Group ID: **15000**

VAP-C06E_MNC01A98 **Monday Creek** GLOUCESTER CO

Described in the condemnation notice 125, 12/3/2002.

MOBPH

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.04	SQUARE MILES	15000	**2006**	**2018**	VAP-C01E-17 (PCBs)

The Chesapeake Bay and its small coastal tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than two meals/month are recommended of anadromous (coastal) striped bass.

Also, VDH issued an additional separate fish consumption advisory on 12/13/2004 for PCBs in the Mobjack Bay and its tributaries, particularly the East, West, and Ware Rivers. No more than two meals/month of gizzard shad are recommended.

Sources: Source Unknown

VAP-C06E_ROW01A06 **Rowes Creek** GLOUCESTER CO

Described in VDH-DSS Shellfish Condemnation 044-054M2, 4/16/2004

MOBPH

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.07	SQUARE MILES	15000	**2006**	**2018**	VAP-C01E-17

The Chesapeake Bay and its small coastal tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than two meals/month are recommended of anadromous (coastal) striped bass.

Also, VDH issued an additional separate fish consumption advisory on 12/13/2004 for PCBs in the Mobjack Bay and its tributaries, particularly the East, West, and Ware Rivers. No more than two meals/month of gizzard shad are recommended.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay and Tributaries**

TMDL Group ID: **15000**

VAP-C06E_SEN01A02 **Northwest Branch Severn River** GLOUCESTER CO

Described in the condemnation notice 044-093A, 4/16/2004.

Size reduced in 2006 cycle.

MOBPH

VA Overall AU Category: **5A**

Use	Impairment	0.33 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		15000	**2006**	**2018**	VAP-C01E-17

The Chesapeake Bay and its small coastal tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than two meals/month are recommended of anadromous (coastal) striped bass.

Also, VDH issued an additional separate fish consumption advisory on 12/13/2004 for PCBs in the Mobjack Bay and its tributaries, particularly the East, West, and Ware Rivers. No more than two meals/month of gizzard shad are recommended.

Sources: Source Unknown

VAP-C06E_SEN02A06 **Northwest Branch Severn River** GLOUCESTER CO

Mainstem and tribs not otherwise segmented

MOBPH

VA Overall AU Category: **5A**

Use	Impairment	0.46 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		15000	**2006**	**2018**	VAP-C01E-17

The Chesapeake Bay and its small coastal tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than two meals/month are recommended of anadromous (coastal) striped bass.

Also, VDH issued an additional separate fish consumption advisory on 12/13/2004 for PCBs in the Mobjack Bay and its tributaries, particularly the East, West, and Ware Rivers. No more than two meals/month of gizzard shad are recommended.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay and Tributaries**

TMDL Group ID: **15000**

VAP-C06E_SES01A00 **Southwest Branch Severn River** GLOUCESTER CO

Main stem, excluding small embayments at banks, and as otherwise segmented.

MOBPH

VA Overall AU Category: **5A**

Use	Impairment	0.64 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		15000	**2006**	**2018**	VAP-C01E-17

The Chesapeake Bay and its small coastal tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than two meals/month are recommended of anadromous (coastal) striped bass.

Also, VDH issued an additional separate fish consumption advisory on 12/13/2004 for PCBs in the Mobjack Bay and its tributaries, particularly the East, West, and Ware Rivers. No more than two meals/month of gizzard shad are recommended.

Sources: Source Unknown

VAP-C06E_SEV02A00 **Severn River** GLOUCESTER CO

End of NW branch to mouth, unless otherwise segmented.

MOBPH

VA Overall AU Category: **5A**

Use	Impairment	3.53 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		15000	**2006**	**2018**	VAP-C01E-17

The Chesapeake Bay and its small coastal tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than two meals/month are recommended of anadromous (coastal) striped bass.

Also, VDH issued an additional separate fish consumption advisory on 12/13/2004 for PCBs in the Mobjack Bay and its tributaries, particularly the East, West, and Ware Rivers. No more than two meals/month of gizzard shad are recommended.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay and Tributaries**

TMDL Group ID: **15000**

VAP-C06E_THC01A98 **Thorntons Creek** GLOUCESTER CO

Described in the condemnation notice 044-054B, 4/16/2004.

Size increased in 2006 cycle.

MOBPH

VA Overall AU Category: **5A**

Use	Impairment	0.07 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		15000	**2006**	**2018**	VAP-C01E-17

The Chesapeake Bay and its small coastal tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than two meals/month are recommended of anadromous (coastal) striped bass.

Also, VDH issued an additional separate fish consumption advisory on 12/13/2004 for PCBs in the Mobjack Bay and its tributaries, particularly the East, West, and Ware Rivers. No more than two meals/month of gizzard shad are recommended.

Sources: Source Unknown

VAP-C06E_VGH01A98 **Vaughans Creek** GLOUCESTER CO

Described in the condemnation notice 044-093B, 4/16/2004.

MOBPH

VA Overall AU Category: **5A**

Use	Impairment	0.12 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		15000	**2006**	**2018**	VAP-C01E-17

The Chesapeake Bay and its small coastal tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than two meals/month are recommended of anadromous (coastal) striped bass.

Also, VDH issued an additional separate fish consumption advisory on 12/13/2004 for PCBs in the Mobjack Bay and its tributaries, particularly the East, West, and Ware Rivers. No more than two meals/month of gizzard shad are recommended.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay and Tributaries**

TMDL Group ID: **15000**

VAP-C06E_WET01A06 **Willetts Creek** GLOUCESTER CO

Described in VDH Shellfish Condemnation 044-054M1, 4/16/2004

MOBPH

VA Overall AU Category: **5A**

Use	Impairment	0.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		15000	**2006**	**2018**	VAP-C01E-17

The Chesapeake Bay and its small coastal tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than two meals/month are recommended of anadromous (coastal) striped bass.

Also, VDH issued an additional separate fish consumption advisory on 12/13/2004 for PCBs in the Mobjack Bay and its tributaries, particularly the East, West, and Ware Rivers. No more than two meals/month of gizzard shad are recommended.

Sources: Source Unknown

VAP-C06E_ZZZ01A00 **Unsegmented estuaries in C06** GLOUCESTER CO

Unsegmented portion of the watershed.

MOBPH

VA Overall AU Category: **5A**

Use	Impairment	1.14 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		15000	**2006**	**2018**	VAP-C01E-17

The Chesapeake Bay and its small coastal tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than two meals/month are recommended of anadromous (coastal) striped bass.

Also, VDH issued an additional separate fish consumption advisory on 12/13/2004 for PCBs in the Mobjack Bay and its tributaries, particularly the East, West, and Ware Rivers. No more than two meals/month of gizzard shad are recommended.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline**

TMDL Group ID: **01770**

VAP-C04E_BKA01A98	Back Creek	GLOUCESTER CO	Described in the condemnation notice 042-157C, 9/15/2004. Size adjusted in 2006, although area did not change MOBPH

VA Overall AU Category: **5A**

Use	Impairment	0.08 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01770	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay segment (MOBPH) failed the 30-day summer dissolved oxygen criteria.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01770	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay segment (MOBPH) failed the 30-day summer dissolved oxygen criteria.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline**

TMDL Group ID: **01770**

VAP-C04E_BLW01A98	**Blackwater Creek**	MATHEWS CO	Described in the condemnation notice 042-131A, 9/17/2004. Size adjusted in 2006 cycle, although area did not change. MOBPH

VA Overall AU Category: **5A**

Use	Impairment	0.51 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01770	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay segment (MOBPH) failed the 30-day summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01770	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay segment (MOBPH) failed the 30-day summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline**

TMDL Group ID: **01770**

VAP-C04E_DAV01A98	**Davis Creek**	GLOUCESTER CO	Described in the condemnation notice 042-131B, 9/17/2004. Size extended in 2004 cycle. MOBPH

VA Overall AU Category: **5A**

Use	Impairment	0.07 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01770	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay segment (MOBPH) failed the 30-day summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01770	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay segment (MOBPH) failed the 30-day summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline**

TMDL Group ID: **01770**

VAP-C04E_DVS01A98	Davis Creek	MATHEWS CO	Described in the condemnation notice 040-085B, 12/27/2004 Size increased in 2006 cycle. MOBPH

VA Overall AU Category: **5A**

Use	Impairment	0.08 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01770	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay salinity segment MOBPH failed the 30-day summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01770	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay salinity segment MOBPH failed the 30-day summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline**

TMDL Group ID: **01770**

VAP-C04E_ELM01A98	Elmington Creek	GLOUCESTER CO	Described in the condemnation notice 042-157B, 9/17/2004. Size increased in 2006 cycle. MOBPH

VA Overall AU Category: **5A**

Use	Impairment	0.07 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01770	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay segment (MOBPH) failed the 30-day summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01770	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay segment (MOBPH) failed the 30-day summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline**

TMDL Group ID: **01770**

VAP-C04E_EST01A98	East River	MATHEWS CO	Described in the condemnation notice 092, 7/7/2003. Size decreased in 2006 cycle. MOBPH

VA Overall AU Category: **5A**

Use	Impairment	0.14 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01770	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay salinity segment MOBPH failed the 30-day summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01770	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay salinity segment MOBPH failed the 30-day summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline**

TMDL Group ID: **01770**

VAP-C04E_EST02A00	East River	MATHEWS CO	East River and tribs from SFC 92 to mouth, not otherwise segmented. MOBPH

VA Overall AU Category: **5A**

Use	Impairment	2.89 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01770	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay salinity segment MOBPH failed the 30-day summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01770	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay salinity segment MOBPH failed the 30-day summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline**

TMDL Group ID: **01770**

VAP-C04E_EST03A06 **East River, UT** MATHEWS CO Described in VDH-DSS SFC 041-212M2, 9/15/2004

MOBPH

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01770	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay salinity segment MOBPH failed the 30-day summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01770	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay salinity segment MOBPH failed the 30-day summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline**

TMDL Group ID: **01770**

VAP-C04E_EST04A02	East River, UT	MATHEWS CO	As described in condemnation notice 041-212B, 9/15/2004. MOBPH

VA Overall AU Category: **5A**

Use	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01770	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay salinity segment MOBPH failed the 30-day summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01770	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay salinity segment MOBPH failed the 30-day summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline**

TMDL Group ID: **01770**

VAP-C04E_EST05A06 **East River, UT** MATHEWS CO Described in VDH-DSS SFC 041-212M1, 9/15/2004

MOBPH

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01770	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay salinity segment MOBPH failed the 30-day summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01770	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay salinity segment MOBPH failed the 30-day summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline**

TMDL Group ID: **01770**

VAP-C04E_MIS01A04	Miles Creek	MATHEWS CO	Described in VDH Condemnation Notice 041-212A, 9/15/2004. MOBPH

VA Overall AU Category: **5A**

Use	Impairment	0.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01770	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay salinity segment MOBPH failed the 30-day summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01770	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay salinity segment MOBPH failed the 30-day summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline**

TMDL Group ID: **01770**

VAP-C04E_NOR01A02	**North River**	GLOUCESTER CO MATHEWS CO	Described in the condemnation notice 042-157A, 9/17/2004 Size increased in 2006 cycle MOBPH

VA Overall AU Category: **5A**

Use	Impairment	0.69 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01770	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay segment (MOBPH) failed the 30-day summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01770	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay segment (MOBPH) failed the 30-day summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline**

TMDL Group ID: **01770**

VAP-C04E_NOR02A02	North River	GLOUCESTER CO MATHEWS CO	North River and tribs from SFC 157A to Mobjack Bay, except as otherwise segmented. MOBPH

VA Overall AU Category: **5A**

Use	Impairment	4.87 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01770	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay segment (MOBPH) failed the 30-day summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01770	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay segment (MOBPH) failed the 30-day summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline**

TMDL Group ID: **01770**

VAP-C04E_PEP01A06	Pepper Creek	MATHEWS CO	As described in the condemnation notice 040-085A, 12/27/2004. MOBPH

VA Overall AU Category: **5A**

Use	Impairment	0.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01770	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay salinity segment MOBPH failed the 30-day summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01770	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay salinity segment MOBPH failed the 30-day summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline**

TMDL Group ID: **01770**

VAP-C04E_PUT01A98	Put In Creek	MATHEWS CO	Described in the condemnation notice 041-005A, 9/15/2004. Size adjusted in 2006 cycle, although area did not change. MOBPH

VA Overall AU Category: **5A**

Use	Impairment	0.13 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01770	**2004**	**2010**	VAP-C04E-23 In 2002, the segment was listed as being not supporting of the Aquatic Life use goal based on dissolved oxygen violations at 7-XDK000.10. However, during the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay segment (MOBPH) failed the 30-day summer dissolved oxygen criteria and the TMDL is due in 2010.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01770	**2004**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay segment (MOBPH) failed the 30-day summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline**

TMDL Group ID: **01770**

VAP-C04E_PUT02A98 **Put In Creek** MATHEWS CO Described in the condemnation notice 041-005B, 9/15/2004.

MOBPH

VA Overall AU Category: **5A**

Use	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01770	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay salinity segment MOBPH failed the 30-day summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01770	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay salinity segment MOBPH failed the 30-day summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline**

TMDL Group ID: **01770**

VAP-C04E_ZZZ03A06	Unsegmented estuaries in C04	MATHEWS CO	Unsegmented portion within MOBPH

VA Overall AU Category: **5A**

Use	Impairment	0.37 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01770	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay segment (MOBPH) failed the 30-day summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01770	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay segment (MOBPH) failed the 30-day summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline**

TMDL Group ID: **01770**

VAP-C05E_WAR01A02	Ware River	GLOUCESTER CO	Described in the condemnation notice 043-096A, 7/6/2004. Size increased in 2006 cycle. MOBPH

VA Overall AU Category: **5A**

Use	Impairment	0.81 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01770	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay segment (MOBPH) failed the 30-day summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01770	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay segment (MOBPH) failed the 30-day summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline**

TMDL Group ID: **01770**

VAP-C05E_WAR02A02 **Ware River** GLOUCESTER CO

Ware River downstream of SFC 096.

Size adjusted during 2006 cycle

MOBPH.

VA Overall AU Category: **5A**

Use	Impairment	6.10 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01770	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay segment (MOBPH) failed the 30-day summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01770	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay segment (MOBPH) failed the 30-day summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline**

TMDL Group ID: **01770**

VAP-C05E_WIL01A98	Wilson Creek	GLOUCESTER CO	Described in the condemnation notice 043-096B, 7/6/2004. Segment expanded in 2006 cycle MOBPH

VA Overall AU Category: **5A**

Use	Impairment	0.34 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01770	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay segment (MOBPH) failed the 30-day summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01770	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay segment (MOBPH) failed the 30-day summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline**

TMDL Group ID: **01770**

VAP-C05E_ZZZ01A00	Unsegmented estuaries in C05	GLOUCESTER CO	Unsegmented portion of the watershed. MOBPH

VA Overall AU Category: **5A**

Use	Impairment	0.19 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01770	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay segment (MOBPH) failed the 30-day summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01770	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay segment (MOBPH) failed the 30-day summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline**

TMDL Group ID: **01770**

VAP-C06E_FSC01A98	Free School Creek	GLOUCESTER CO	Tidal limit to mouth MOBPH

VA Overall AU Category: **5A**

Use	Impairment	0.08 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01770	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay segment (MOBPH) failed the 30-day summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01770	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay segment (MOBPH) failed the 30-day summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline**

TMDL Group ID: **01770**

VAP-C06E_HEY01A98	**Heywood Creek**	GLOUCESTER CO	Described in the condemnation notice 044-054A, 4/16/2004. Size adjusted during 2006 cycle, although area did not change. MOBPH

VA Overall AU Category: **5A**

Use	Impairment	0.06 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01770	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay segment (MOBPH) failed the 30-day summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01770	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay segment (MOBPH) failed the 30-day summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline**

TMDL Group ID: **01770**

VAP-C06E_MNC01A98	Monday Creek	GLOUCESTER CO	Described in the condemnation notice 125, 12/3/2002. MOBPH

VA Overall AU Category: **5A**

Use	Impairment	0.04 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01770	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay segment (MOBPH) failed the 30-day summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01770	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay segment (MOBPH) failed the 30-day summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline**

TMDL Group ID: **01770**

VAP-C06E_ROW01A06 **Rowes Creek** GLOUCESTER CO Described in VDH-DSS Shellfish Condemnation 044-054M2, 4/16/2004

MOBPH

VA Overall AU Category: **5A**

Use	Impairment	0.07 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01770	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay segment (MOBPH) failed the 30-day summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01770	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay segment (MOBPH) failed the 30-day summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline**

TMDL Group ID: **01770**

VAP-C06E_SEN01A02	Northwest Branch Severn River	GLOUCESTER CO	Described in the condemnation notice 044-093A, 4/16/2004. Size reduced in 2006 cycle. MOBPH

VA Overall AU Category: **5A**

Use	Impairment	0.33 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01770	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay segment (MOBPH) failed the 30-day summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01770	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay segment (MOBPH) failed the 30-day summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline**

TMDL Group ID: **01770**

VAP-C06E_SEN02A06	Northwest Branch Severn River	GLOUCESTER CO	Mainstem and tribs not otherwise segmented MOBPH

VA Overall AU Category: **5A**

Use	Impairment	0.46 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01770	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay segment (MOBPH) failed the 30-day summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01770	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay segment (MOBPH) failed the 30-day summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline**

TMDL Group ID: **01770**

VAP-C06E_SES01A00	Southwest Branch Severn River	GLOUCESTER CO	Main stem, excluding small embayments at banks, and as otherwise segmented. MOBPH

VA Overall AU Category: **5A**

Use	Impairment	0.64 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01770	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay segment (MOBPH) failed the 30-day summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01770	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay segment (MOBPH) failed the 30-day summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline**

TMDL Group ID: **01770**

VAP-C06E_SEV02A00	Severn River	GLOUCESTER CO	End of NW branch to mouth, unless otherwise segmented. MOBPH

VA Overall AU Category: **5A**

Use	Impairment	3.53 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01770	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay segment (MOBPH) failed the 30-day summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01770	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay segment (MOBPH) failed the 30-day summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline**

TMDL Group ID: **01770**

VAP-C06E_THC01A98	Thorntons Creek	GLOUCESTER CO	Described in the condemnation notice 044-054B, 4/16/2004. Size increased in 2006 cycle. MOBPH

VA Overall AU Category: **5A**

Use	Impairment	0.07 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01770	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay segment (MOBPH) failed the 30-day summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01770	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay segment (MOBPH) failed the 30-day summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline**

TMDL Group ID: **01770**

VAP-C06E_VGH01A98 **Vaughans Creek** GLOUCESTER CO Described in the condemnation notice 044-093B, 4/16/2004.

MOBPH

VA Overall AU Category: **5A**

Use	Impairment	0.12 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01770	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay segment (MOBPH) failed the 30-day summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01770	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay segment (MOBPH) failed the 30-day summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline**

TMDL Group ID: **01770**

VAP-C06E_WET01A06 **Willetts Creek** GLOUCESTER CO Described in VDH Shellfish Condemnation 044-054M1, 4/16/2004

MOBPH

VA Overall AU Category: **5A**

Use	Impairment	0.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01770	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay segment (MOBPH) failed the 30-day summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01770	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay segment (MOBPH) failed the 30-day summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline**

TMDL Group ID: **01770**

VAP-C06E_ZZZ01A00	Unsegmented estuaries in C06	GLOUCESTER CO	Unsegmented portion of the watershed. MOBPH

VA Overall AU Category: **5A**

Use	Impairment	1.14 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01770	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay segment (MOBPH) failed the 30-day summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01770	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay segment (MOBPH) failed the 30-day summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline**

TMDL Group ID: **10118**

VAP-C04E_BKA01A98 **Back Creek** GLOUCESTER CO

Described in the condemnation notice 042-157C, 9/15/2004.

Size adjusted in 2006, although area did not change

MOBPH

VA Overall AU Category: **5A**

Use	Impairment	0.08 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10118	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay segment (MOBPH) failed the Submerged Aquatic Vegetation acreage requirements.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10118	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay segment (MOBPH) failed the Submerged Aquatic Vegetation acreage requirements.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline**

TMDL Group ID: **10118**

VAP-C04E_BLW01A98	**Blackwater Creek**	MATHEWS CO	Described in the condemnation notice 042-131A, 9/17/2004. Size adjusted in 2006 cycle, although area did not change. MOBPH

VA Overall AU Category: **5A**

Use	Impairment	0.51 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10118	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay segment (MOBPH) failed the Submerged Aquatic Vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**	10118	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay segment (MOBPH) failed the Submerged Aquatic Vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline**

TMDL Group ID: **10118**

VAP-C04E_DAV01A98	Davis Creek	GLOUCESTER CO	Described in the condemnation notice 042-131B, 9/17/2004. Size extended in 2004 cycle. MOBPH

VA Overall AU Category: **5A**

Use	Impairment	0.07 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10118	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay segment (MOBPH) failed the Submerged Aquatic Vegetation acreage requirements.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10118	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay segment (MOBPH) failed the Submerged Aquatic Vegetation acreage requirements.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline**

TMDL Group ID: **10118**

VAP-C04E_DVS01A98	**Davis Creek**	MATHEWS CO	Described in the condemnation notice 040-085B, 12/27/2004 Size increased in 2006 cycle. MOBPH

VA Overall AU Category: **5A**

Use	Impairment	0.08 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10118	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay salinity segment MOBPH failed the Submerged Aquatic Vegetation acreage requirements.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10118	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay salinity segment MOBPH failed the Submerged Aquatic Vegetation acreage requirements.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline**

TMDL Group ID: **10118**

VAP-C04E_ELM01A98	**Elmington Creek**	GLOUCESTER CO	Described in the condemnation notice 042-157B, 9/17/2004. Size increased in 2006 cycle. MOBPH

VA Overall AU Category: **5A**

Use	Impairment	0.07 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10118	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay segment (MOBPH) failed the Submerged Aquatic Vegetation acreage requirements.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10118	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay segment (MOBPH) failed the Submerged Aquatic Vegetation acreage requirements.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline**

TMDL Group ID: **10118**

VAP-C04E_EST01A98 **East River** MATHEWS CO

Described in the condemnation notice 092, 7/7/2003.

Size decreased in 2006 cycle.

MOBPH

VA Overall AU Category: **5A**

Use	Impairment	0.14 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10118	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay salinity segment MOBPH failed the Submerged Aquatic Vegetation acreage requirements.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Clean Sediments
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sediment Resuspension (Clean Sediment)
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10118	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay salinity segment MOBPH failed the Submerged Aquatic Vegetation acreage requirements.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Clean Sediments
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sediment Resuspension (Clean Sediment)
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline**

TMDL Group ID: **10118**

VAP-C04E_EST02A00	East River	MATHEWS CO	East River and tribs from SFC 92 to mouth, not otherwise segmented. MOBPH

VA Overall AU Category: **5A**

Use	Impairment	2.89 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10118	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay salinity segment MOBPH failed the Submerged Aquatic Vegetation acreage requirements.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10118	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay salinity segment MOBPH failed the Submerged Aquatic Vegetation acreage requirements.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline**

TMDL Group ID: **10118**

VAP-C04E_EST03A06 **East River, UT** MATHEWS CO Described in VDH-DSS SFC 041-212M2, 9/15/2004

MOBPH

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10118	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay salinity segment MOBPH failed the Submerged Aquatic Vegetation acreage requirements.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Clean Sediments
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sediment Resuspension (Clean Sediment)
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10118	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay salinity segment MOBPH failed the Submerged Aquatic Vegetation acreage requirements.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Clean Sediments
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sediment Resuspension (Clean Sediment)
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline**

TMDL Group ID: **10118**

VAP-C04E_EST04A02 **East River, UT** MATHEWS CO As described in condemnation notice 041-212B, 9/15/2004.

MOBPH

VA Overall AU Category: **5A**

Use	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10118	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay salinity segment MOBPH failed the Submerged Aquatic Vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10118	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay salinity segment MOBPH failed the Submerged Aquatic Vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline**

TMDL Group ID: **10118**

VAP-C04E_EST05A06	**East River, UT**	MATHEWS CO	Described in VDH-DSS SFC 041-212M1, 9/15/2004 MOBPH

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10118	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay salinity segment MOBPH failed the Submerged Aquatic Vegetation acreage requirements.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10118	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay salinity segment MOBPH failed the Submerged Aquatic Vegetation acreage requirements.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline**

TMDL Group ID: **10118**

VAP-C04E_MIS01A04 **Miles Creek** MATHEWS CO Described in VDH Condemnation Notice 041-212A, 9/15/2004.

MOBPH

VA Overall AU Category: **5A**

Use	Impairment	0.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10118	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay salinity segment MOBPH failed the Submerged Aquatic Vegetation acreage requirements.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10118	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay salinity segment MOBPH failed the Submerged Aquatic Vegetation acreage requirements.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline**

TMDL Group ID: **10118**

VAP-C04E_NOR01A02	**North River**	GLOUCESTER CO MATHEWS CO	Described in the condemnation notice 042-157A, 9/17/2004 Size increased in 2006 cycle MOBPH

VA Overall AU Category: **5A**

Use	Impairment	0.69 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10118	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay segment (MOBPH) failed the Submerged Aquatic Vegetation acreage requirements.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10118	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay segment (MOBPH) failed the Submerged Aquatic Vegetation acreage requirements.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline**

TMDL Group ID: **10118**

VAP-C04E_NOR02A02	**North River**	GLOUCESTER CO MATHEWS CO	North River and tribs from SFC 157A to Mobjack Bay, except as otherwise segmented. MOBPH

VA Overall AU Category: **5A**

Use	Impairment	4.87 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10118	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay segment (MOBPH) failed the Submerged Aquatic Vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10118	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay segment (MOBPH) failed the Submerged Aquatic Vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline**

TMDL Group ID: **10118**

VAP-C04E_PEP01A06	**Pepper Creek**	MATHEWS CO	As described in the condemnation notice 040-085A, 12/27/2004. MOBPH

VA Overall AU Category: **5A**

Use	Impairment	0.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10118	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay salinity segment MOBPH failed the Submerged Aquatic Vegetation acreage requirements.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10118	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay salinity segment MOBPH failed the Submerged Aquatic Vegetation acreage requirements.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline**

TMDL Group ID: **10118**

VAP-C04E_PUT01A98	**Put In Creek**	MATHEWS CO	Described in the condemnation notice 041-005A, 9/15/2004. Size adjusted in 2006 cycle, although area did not change. MOBPH

VA Overall AU Category: **5A**

Use	Impairment	0.13 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10118	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay segment (MOBPH) failed the Submerged Aquatic Vegetation acreage requirements.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10118	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay segment (MOBPH) failed the Submerged Aquatic Vegetation acreage requirements.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline**

TMDL Group ID: **10118**

VAP-C04E_PUT02A98 **Put In Creek** MATHEWS CO Described in the condemnation notice 041-005B, 9/15/2004.

MOBPH

VA Overall AU Category: **5A**

Use	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10118	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay salinity segment MOBPH failed the Submerged Aquatic Vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10118	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay salinity segment MOBPH failed the Submerged Aquatic Vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline**

TMDL Group ID: **10118**

VAP-C04E_ZZZ03A06	Unsegmented estuaries in C04	MATHEWS CO	Unsegmented portion within MOBPH

VA Overall AU Category: **5A**

Use	Impairment	0.37 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10118	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay segment (MOBPH) failed the Submerged Aquatic Vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10118	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay segment (MOBPH) failed the Submerged Aquatic Vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline**

TMDL Group ID: **10118**

VAP-C05E_WAR01A02 **Ware River** GLOUCESTER CO

Described in the condemnation notice 043-096A, 7/6/2004.

Size increased in 2006 cycle.

MOBPH

VA Overall AU Category: **5A**

Use	Impairment	0.81 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10118	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay segment (MOBPH) failed the Submerged Aquatic Vegetation acreage requirements.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10118	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay segment (MOBPH) failed the Submerged Aquatic Vegetation acreage requirements.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline**

TMDL Group ID: **10118**

VAP-C05E_WAR02A02 **Ware River** GLOUCESTER CO

Ware River downstream of SFC 096.

Size adjusted during 2006 cycle

MOBPH.

VA Overall AU Category: **5A**

Use	Impairment	6.10 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10118	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay segment (MOBPH) failed the Submerged Aquatic Vegetation acreage requirements.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10118	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay segment (MOBPH) failed the Submerged Aquatic Vegetation acreage requirements.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline**

TMDL Group ID: **10118**

VAP-C05E_WIL01A98 **Wilson Creek** GLOUCESTER CO

Described in the condemnation notice 043-096B, 7/6/2004.

Segment expanded in 2006 cycle

MOBPH

VA Overall AU Category: **5A**

Use	Impairment	0.34 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10118	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay segment (MOBPH) failed the Submerged Aquatic Vegetation acreage requirements.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10118	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay segment (MOBPH) failed the Submerged Aquatic Vegetation acreage requirements.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline**

TMDL Group ID: **10118**

VAP-C05E_ZZZ01A00	Unsegmented estuaries in C05	GLOUCESTER CO	Unsegmented portion of the watershed. MOBPH

VA Overall AU Category: **5A**

Use	Impairment	0.19 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10118	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay segment (MOBPH) failed the Submerged Aquatic Vegetation acreage requirements.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10118	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay segment (MOBPH) failed the Submerged Aquatic Vegetation acreage requirements.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline**

TMDL Group ID: **10118**

VAP-C06E_FSC01A98	Free School Creek	GLOUCESTER CO	Tidal limit to mouth MOBPH

VA Overall AU Category: **5A**

Use	Impairment	0.08 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10118	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay segment (MOBPH) failed the Submerged Aquatic Vegetation acreage requirements.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10118	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay segment (MOBPH) failed the Submerged Aquatic Vegetation acreage requirements.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline**

TMDL Group ID: **10118**

VAP-C06E_HEY01A98	**Heywood Creek**	GLOUCESTER CO	Described in the condemnation notice 044-054A, 4/16/2004. Size adjusted during 2006 cycle, although area did not change. MOBPH

VA Overall AU Category: **5A**

Use	Impairment	0.06 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10118	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay segment (MOBPH) failed the Submerged Aquatic Vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10118	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay segment (MOBPH) failed the Submerged Aquatic Vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline**

TMDL Group ID: **10118**

VAP-C06E_MNC01A98	Monday Creek	GLOUCESTER CO	Described in the condemnation notice 125, 12/3/2002. MOBPH

VA Overall AU Category: **5A**

Use	Impairment	0.04 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10118	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay segment (MOBPH) failed the Submerged Aquatic Vegetation acreage requirements.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10118	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay segment (MOBPH) failed the Submerged Aquatic Vegetation acreage requirements.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline**

TMDL Group ID: **10118**

VAP-C06E_ROW01A06 **Rowes Creek** GLOUCESTER CO Described in VDH-DSS Shellfish Condemnation 044-054M2, 4/16/2004

MOBPH

VA Overall AU Category: **5A**

Use	Impairment	0.07 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10118	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay segment (MOBPH) failed the Submerged Aquatic Vegetation acreage requirements.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10118	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay segment (MOBPH) failed the Submerged Aquatic Vegetation acreage requirements.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline**

TMDL Group ID: **10118**

VAP-C06E_SEN01A02	Northwest Branch Severn River	GLOUCESTER CO	Described in the condemnation notice 044-093A, 4/16/2004. Size reduced in 2006 cycle. MOBPH

VA Overall AU Category: **5A**

Use	Impairment	0.33 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10118	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay segment (MOBPH) failed the Submerged Aquatic Vegetation acreage requirements.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10118	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay segment (MOBPH) failed the Submerged Aquatic Vegetation acreage requirements.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline**

TMDL Group ID: **10118**

VAP-C06E_SEN02A06	Northwest Branch Severn River	GLOUCESTER CO	Mainstem and tribs not otherwise segmented MOBPH

VA Overall AU Category: **5A**

Use	Impairment	0.46 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10118	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay segment (MOBPH) failed the Submerged Aquatic Vegetation acreage requirements.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10118	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay segment (MOBPH) failed the Submerged Aquatic Vegetation acreage requirements.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline**

TMDL Group ID: **10118**

VAP-C06E_SES01A00	Southwest Branch Severn River	GLOUCESTER CO	Main stem, excluding small embayments at banks, and as otherwise segmented. MOBPH

VA Overall AU Category: **5A**

Use	Impairment	0.64 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10118	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay segment (MOBPH) failed the Submerged Aquatic Vegetation acreage requirements.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10118	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay segment (MOBPH) failed the Submerged Aquatic Vegetation acreage requirements.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline**

TMDL Group ID: **10118**

VAP-C06E_SEV02A00	**Severn River**	GLOUCESTER CO	End of NW branch to mouth, unless otherwise segmented. MOBPH

VA Overall AU Category: **5A**

Use	Impairment	3.53 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10118	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay segment (MOBPH) failed the Submerged Aquatic Vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10118	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay segment (MOBPH) failed the Submerged Aquatic Vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline**

TMDL Group ID: **10118**

VAP-C06E_THC01A98	Thorntons Creek	GLOUCESTER CO	Described in the condemnation notice 044-054B, 4/16/2004. Size increased in 2006 cycle. MOBPH

VA Overall AU Category: **5A**

Use	Impairment	0.07 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10118	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay segment (MOBPH) failed the Submerged Aquatic Vegetation acreage requirements.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10118	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay segment (MOBPH) failed the Submerged Aquatic Vegetation acreage requirements.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline**

TMDL Group ID: **10118**

VAP-C06E_VGH01A98 **Vaughans Creek** GLOUCESTER CO Described in the condemnation notice 044-093B, 4/16/2004.

MOBPH

VA Overall AU Category: **5A**

Use	Impairment	0.12 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10118	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay segment (MOBPH) failed the Submerged Aquatic Vegetation acreage requirements.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10118	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay segment (MOBPH) failed the Submerged Aquatic Vegetation acreage requirements.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline**

TMDL Group ID: **10118**

VAP-C06E_WET01A06 **Willetts Creek** GLOUCESTER CO Described in VDH Shellfish Condemnation 044-054M1, 4/16/2004

MOBPH

VA Overall AU Category: **5A**

Use	Impairment	0.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10118	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay segment (MOBPH) failed the Submerged Aquatic Vegetation acreage requirements.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10118	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay segment (MOBPH) failed the Submerged Aquatic Vegetation acreage requirements.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline**

TMDL Group ID: **10118**

VAP-C06E_ZZZ01A00	Unsegmented estuaries in C06	GLOUCESTER CO	Unsegmented portion of the watershed. MOBPH

VA Overall AU Category: **5A**

Use	Impairment	1.14 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10118	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay segment (MOBPH) failed the Submerged Aquatic Vegetation acreage requirements.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10118	**2006**	**2010**	VAP-C04E-23 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The Mobjack Bay segment (MOBPH) failed the Submerged Aquatic Vegetation acreage requirements.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline Embayments**

TMDL Group ID: **76081**

VAT-C07E_BAK01A00	Mainstem Back River	HAMPTON CITY POQUOSON CITY CITY	From junction of Northwest and Southwest Branches downstream to mouth of Back River. Portion of CBP Segment MOBPH. No DSS shellfish condemnations.

VA Overall AU Category: **5A**

Use	Impairment	0.56 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76081	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76081	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline Embayments**

TMDL Group ID: **76081**

VAT-C07E_BCB01A06	Buckroe Beaches	HAMPTON CITY	From northeast of Buckroe Beach southwest to Parallel with start of Mill Cr. Portion of CBP Segment CB8PH. No DSS shellfish condemnations.

VA Overall AU Category: **5A**

Use	Impairment	0.22 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76081	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76081	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline Embayments**

TMDL Group ID: **76081**

VAT-C07E_BCK01A00	Back Creek - Upper	YORK CO	Back Creek (S of York R mouth) is a tributary to The Thorofare and Chesapeake Bay. From end of tidal waters downstream to point upstream of Dandy (RM 1.6). CBP Segment MOBPH. DSS shellfish condemnation # 053-151A.

VA Overall AU Category: **5A**

Use	Impairment	0.09 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76081	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**	76081	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline Embayments**

TMDL Group ID: **76081**

VAT-C07E_BCK02A06	Back Creek - Middle (DSS-marina area)	YORK CO	Back Creek (S of York R mouth) is a tributary to The Thorofare and Chesapeake Bay. CBP Segment MOBPH. Area within DSS shellfish condemnation # 053-151 M1, around marina area (Effective 2005-11-03).

VA Overall AU Category: **5A**

Use	Impairment	0.19 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76081	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76081	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline Embayments**

TMDL Group ID: **76081**

VAT-C07E_BCK03A06	Back Creek - Lower	YORK CO	Back Creek (S of York R mouth) is a tributary to The Thorofare and Chesapeake Bay. CBP Segment MOBPH. From upstream of Dandy (RM 1.6) downstream to mouth (RM 0.0). DSS shellfish condemnation # 053-151 (OPEN, Effective 2004-04-26).

VA Overall AU Category: **5A**

Use	Impairment	0.49 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76081	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76081	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline Embayments**

TMDL Group ID: **76081**

VAT-C07E_BRK01A06	Brick Kiln Creek	HAMPTON CITY YORK CO	From 0.3 mi. downstream of Big Bethel Res. dam (approx. RM 5.0, end of tidal waters north of Ebenezer Church) downstream to confluence with Northwest Br. Back R. CBP Segment MOBPH. Portion of DSS shellfish condemnation #054-021C.

VA Overall AU Category: **5A**

Use	Impairment	0.09 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76081	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**	76081	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline Embayments**

TMDL Group ID: **76081**

VAT-C07E_CCR01A06 **Cedar & Topping Creeks** POQUOSON CITY CITY

Located near City of Poquoson. Cedar & Topping Creeks are tribs to the north shore of the Northwest Branch of Back River. Portion of DSS condemnation # 054-021C (less NW Br Back R./Brick Kiln Cr. portion). CBP Segment MOBPH.

VA Overall AU Category: **5A**

Use	Impairment	0.10 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76081	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76081	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline Embayments**

TMDL Group ID: **76081**

VAT-C07E_CHS01A06	Chisman Creek-Upper & Goose Cr	POQUOSON CITY CITY	From end of tidal waters (upper 2/3 of creek), downstream to area of Evergreen Shores (approx. RM 0.9). CBP Segment MOBPH. DSS condemnation # 053-137A.

VA Overall AU Category: **5A**

Use	Impairment	0.51 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76081	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76081	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline Embayments**

TMDL Group ID: **76081**

VAT-C07E_CHS02A06	Chisman Creek-Lower North Shore (Marina)	POQUOSON CITY CITY	North shore of creek, area of Cheeseman. Contains DSS seasonal condemnation # 053-137 M2. CBP Segment MOBPH.

VA Overall AU Category: **5A**

Use	Impairment	0.09 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76081	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76081	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline Embayments**

TMDL Group ID: **76081**

VAT-C07E_CHS02B06	Chisman Creek - Lower	POQUOSON CITY CITY	Lower 1/3 of creek, downstream from area of Evergreen Shores (RM 0.9) to mouth. CBP Segment MOBPH. DSS (OPEN) condemnation # 053-137.

VA Overall AU Category: **5A**

Use	Impairment	0.64 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76081	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76081	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline Embayments**

TMDL Group ID: **76081**

VAT-C07E_EAS01A06	Easton Cove/Floyds Bay	POQUOSON CITY CITY	Located in southeast corner of Bennett Cr, trib to Poquoson River. Area of York Haven Anchorage. Includes Easton Cove and Floyds Bay. DSS shellfish condemnation # 053-137I (Effective 2004-04-26). CBP Segment MOBPH.

VA Overall AU Category: **5A**

Use	Impairment	0.18 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76081	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76081	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline Embayments**

TMDL Group ID: **76081**

VAT-C07E_FRT01A06 **Front Cove** POQUOSON CITY CITY North shore trib. to mainstem Back R. Adjacent to Messick Point. DSS shellfish condemnation # 054-021A (Effective 2004-06-02, previously in # 193 - effective 1998-06-24). CBP Segment MOBPH.

VA Overall AU Category: **5A**

Use	Impairment	0.08 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76081	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76081	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline Embayments**

TMDL Group ID: **76081**

VAT-C07E_GRV01A06	Grandview Pier & Saltponds Beaches	HAMPTON CITY	From Grandview beach southwest to northeast of Buckroe Beach. Portion of CBP Segment CB8PH. No DSS shellfish condemnations.

VA Overall AU Category: **5A**

Use	Impairment	0.34 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76081	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76081	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline Embayments**

TMDL Group ID: **76081**

VAT-C07E_HAR01A06	Harris River - Upper	HAMPTON CITY	South shore trib. to mainstem Back R. Adjacent to Fox Hill area. DSS shellfish condemnation # 054-215A (Effective 2004-06-02, previously in # 054-021G - effective 2002-06-25). CBP Segment MOBPH.

VA Overall AU Category: **5A**

Use	Impairment	0.28 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76081	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76081	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline Embayments**

TMDL Group ID: **76081**

VAT-C07E_HAR02A06	Harris River - Lower	HAMPTON CITY	South shore trib. to mainstem Back R. Adjacent to Fox Hill area. From end of upstream DSS condemn (approx. RM 0.5) downstream to mouth. No DSS shellfish harvesting condemnation. CBP Segment MOBPH.

VA Overall AU Category: **5A**

Use	Impairment	0.13 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76081	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76081	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline Embayments**

TMDL Group ID: **76081**

VAT-C07E_INB01A04	DSS Inlet #2-Unnamed Inlet of Back River	HAMPTON CITY	South shore trib. to mainstem Back R.Located in unnamed inlet west of Dandy Point. On south shore of Back River, southwest of mouth and east of Harris R. DSS condemnation # 054-215B (effective 2004-06-02). CBP Segment MOBPH.

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76081	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76081	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline Embayments**

TMDL Group ID: **76081**

VAT-C07E_LMC01A04	Lambs Creek - Poquoson River	POQUOSON CITY CITY YORK CO	South shore tributary to Poquoson R, west of Poquoson Shores. On border of Poquoson/York boundary. Between Moores Cr. and Roberts Cr to east. DSS Shellfish condemnation # 053-137 E (effective 2004-04-26). CBP Segment MOBPH.

VA Overall AU Category: **5A**

Use	Impairment	0.16 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76081	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76081	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline Embayments**

TMDL Group ID: **76081**

VAT-C07E_LON01A06	Long & Grunland Creeks - Back River	HAMPTON CITY	South shore trib. to mainstem Back R. Adjacent to Grandview area. DSS (ADMINISTRATIVE) shellfish harvesting condemnation # 054-215 D (effective 2004-06-02). CBP Segment MOBPH.

VA Overall AU Category: **5A**

Use	Impairment (0.17 SQUARE MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**	76081	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**	76081	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline Embayments**

TMDL Group ID: **76081**

VAT-C07E_LYO01A06	Lyons Creek - Upper	POQUOSON CITY CITY	South shore tributary to Poquoson R, in area of York Haven Anchorage. East of Roberts Cr. and north of White House Cove. DSS Shellfish condemnation # 053-137 E (effective 2004-04-26). CBP Segment MOBPH.

VA Overall AU Category: **5A**

Use	Impairment	0.04 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76081	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76081	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline Embayments**

TMDL Group ID: **76081**

VAT-C07E_LYO02A06	Lyons Creek - Lower	POQUOSON CITY CITY	South shore tributary to Poquoson R, in area of York Haven Anchorage. East of Roberts Cr. and north of White House Cove. DSS (OPEN) Shellfish condemnation # 053-137 (effective 2004-04-26). CBP Segment MOBPH.

VA Overall AU Category: **5A**

Use	Impairment	0.09 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76081	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76081	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline Embayments**

TMDL Group ID: **76081**

VAT-C07E_NEW01A02	**Newmarket Creek - Upper**	HAMPTON CITY	South of Blue Bird Gap Farm area. From end of tidal waters (approx. RM 5.1) downstream to I-64 crossing (RM 3.68). Portion of DSS shellfish condemnation # 054-021 E (effective 2004-06-02). CBP Segment MOBPH.

VA Overall AU Category: **5A**

Use	Impairment	0.07 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76081	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76081	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline Embayments**

TMDL Group ID: **76081**

VAT-C07E_NEW02A02	Newmarket Creek - Lower	HAMPTON CITY	South of Blue Bird Gap Farm area. From end of tidal waters (approx. RM 5.1) downstream to I-64 crossing (RM 3.68). Portion of DSS shellfish condemnation # 054-021 E (effective 2004-06-02). CBP Segment MOBPH.

VA Overall AU Category: **5A**

Use	Impairment	0.08 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76081	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76081	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline Embayments**

TMDL Group ID: **76081**

VAT-C07E_NWB01A06	**Northwest Br. Back River - Upper**	HAMPTON CITY POQUOSON CITY CITY	Headwaters to confluence of Topping Creek @ RM 1.5, end of DSS shellfish condemnation #054-021C. Condemnation less Cedar/Topping & Brick Kiln Creeks. CBP Segment MOBPH.

VA Overall AU Category: **5A**

Use	Impairment	0.39 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76081	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76081	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline Embayments**

TMDL Group ID: **76081**

VAT-C07E_NWB02A06	**Northwest Br. Back River - Lower**	HAMPTON CITY POQUOSON CITY CITY	From area of confluence of Topping Creek (approx. RM 1.5) downstream to confluence with mainstem Back R. No DSS direct shellfish harvesting condmenation. CBP Segment MOBPH.

VA Overall AU Category: **5A**

Use	Impairment	1.11 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76081	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76081	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline Embayments**

TMDL Group ID: **76081**

VAT-C07E_POQ01A06	**Poquoson River - Upper**	YORK CO	From Rt 17 crossing @ reservoir dam (RM 5.7) downstream to point downstream of confluence of Quarter March Creek (RM 2.7) @ Calthrop Neck, DSS shellfish condemnation # 053-137D. Including Moores & Quarter March Creeks. CBP Segment MOBPH.

VA Overall AU Category: **5A**

Use	Impairment	0.40 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76081	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76081	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline Embayments**

TMDL Group ID: **76081**

VAT-C07E_POQ02A06	Poquoson River - Lower	YORK CO	From point downstream of confluence of Quarter March Creek (RM 2.7) @ Calthrop Neck to mouth. No DSS shellfish harvesting condemnation. CBP Segment MOBPH.

VA Overall AU Category: **5A**

Use	Impairment	2.45 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76081	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76081	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline Embayments**

TMDL Group ID: **76081**

VAT-C07E_POQ02B04	Unnamed Cove - Poquoson River	YORK CO	North shore trib to Poquoson R. east of Piney Point Estates. DSS shellfish condemnation # 053-137B. CBP Segment MOBPH.

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76081	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76081	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline Embayments**

TMDL Group ID: **76081**

VAT-C07E_PTC01A04	Patricks Creek - Poquoson River	YORK CO	North shore trib to Poquoson R. South of Dare area.DSS Shellfish condemnation # 053-137 C. CBP Segment MOBPH.

VA Overall AU Category: **5A**

Use	Impairment	0.10 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76081	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76081	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline Embayments**

TMDL Group ID: **76081**

VAT-C07E_ROB01A04	Roberts Creek - Poquoson River	POQUOSON CITY CITY	South shore trib to Poquoson R. South of Dare area. DSS Shellfish condemnation # 053-137 F. CBP Segment MOBPH.

VA Overall AU Category: **5A**

Use	Impairment	0.11 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76081	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76081	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline Embayments**

TMDL Group ID: **76081**

VAT-C07E_SWB01A06	Southwest Branch - Back River	HAMPTON CITY	Headwaters of Southwest Branch downstream to mouth, confluence with Back R. Includes Tides Mill Cr. DSS shellfish condemnation # 054-021E. CBP segment MOBPH.

VA Overall AU Category: **5A**

Use	Impairment	1.76 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76081	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76081	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline Embayments**

TMDL Group ID: **76081**

VAT-C07E_TBC01A04	Tabbs Creek - Back River	POQUOSON CITY CITY	Tributary to Northwest Branch Back River. Portion of DSS shellfish condemnation # 054-021D. CBP segment MOBPH.

VA Overall AU Category: **5A**

Use	Impairment	0.07 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76081	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76081	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline Embayments**

TMDL Group ID: **76081**

VAT-C07E_WAL01A06	Wallace Creek - Upper (Back River)	HAMPTON CITY	Tributary to south shore Back River, east of Harris R & adjacent to Inlet #2. Most ustream tip of creek. DSS (ADMINISTRATIVE) shellfish condemnation # 054-215 E. CBP segment MOBPH.

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76081	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76081	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline Embayments**

TMDL Group ID: **76081**

VAT-C07E_WAL02A06	Wallace Creek - Lower (Back River)	HAMPTON CITY	Tributary to south shore Back River, east of Harris R & adjacent to Inlet #2. DSS shellfish condemnation # 054-215 C. CBP segment MOBPH.

VA Overall AU Category: **5A**

Use	Impairment	0.06 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76081	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76081	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline Embayments**

TMDL Group ID: **76081**

VAT-C07E_WAT01A06	Watts Creek - (NW Br. Back River)	POQUOSON CITY CITY	Located southwest of Poquoson. Watts Cr. trib to Northwest Br. of Back R. Portion of DSS condemnation # 054-021B. CBP segment MOBPH.

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76081	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76081	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline Embayments**

TMDL Group ID: **76081**

VAT-C07E_WHH01A06	White House Cove - Upper	POQUOSON CITY CITY	Located in York Haven Anchorage area, south of mouth of Poquoson R, area of DSS Shellfish condemnation # 053-137 H. CBP segment MOBPH.

VA Overall AU Category: **5A**

Use	Impairment	0.10 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76081	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76081	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline Embayments**

TMDL Group ID: **76081**

VAT-C07E_ZZZ01A00	Unsegmented estuaries in C07E	HAMPTON CITY YORK CO	Non segmented areas of C07E. No DSS direct shellfish harvesting condmenation. CBP Segment MOBPH.

VA Overall AU Category: **5A**

Use	Impairment	31.81 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76081	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76081	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline Embayments**

TMDL Group ID: **76082**

VAT-C07E_BAK01A00	Mainstem Back River	HAMPTON CITY POQUOSON CITY CITY	From junction of Northwest and Southwest Branches downstream to mouth of Back River. Portion of CBP Segment MOBPH. No DSS shellfish condemnations.

VA Overall AU Category: **5A**

Use	Impairment (0.56 SQUARE MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	76082	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).
	Sources: Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Non-Point Source) Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)				
Open-Water Aquatic Life	**Oxygen, Dissolved**	76082	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).
	Sources: Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Non-Point Source) Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)				

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline Embayments**

TMDL Group ID: **76082**

VAT-C07E_BCK01A00	Back Creek - Upper	YORK CO	Back Creek (S of York R mouth) is a tributary to The Thorofare and Chesapeake Bay. From end of tidal waters downstream to point upstream of Dandy (RM 1.6). CBP Segment MOBPH. DSS shellfish condemnation # 053-151A.

VA Overall AU Category: **5A**

Use	Impairment	0.09 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		76082	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		76082	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline Embayments**

TMDL Group ID: **76082**

VAT-C07E_BCK02A06	Back Creek - Middle (DSS-marina area)	YORK CO	Back Creek (S of York R mouth) is a tributary to The Thorofare and Chesapeake Bay. CBP Segment MOBPH. Area within DSS shellfish condemnation # 053-151 M1, around marina area (Effective 2005-11-03).

VA Overall AU Category: **5A**

Use	Impairment	0.19 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		76082	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		76082	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline Embayments**

TMDL Group ID: **76082**

VAT-C07E_BCK03A06	Back Creek - Lower	YORK CO	Back Creek (S of York R mouth) is a tributary to The Thorofare and Chesapeake Bay. CBP Segment MOBPH. From upstream of Dandy (RM 1.6) downstream to mouth (RM 0.0). DSS shellfish condemnation # 053-151 (OPEN, Effective 2004-04-26).

VA Overall AU Category: **5A**

Use	Impairment	0.49 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		76082	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**	76082	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline Embayments**

TMDL Group ID: **76082**

VAT-C07E_BRK01A06	Brick Kiln Creek	HAMPTON CITY YORK CO	From 0.3 mi. downstream of Big Bethel Res. dam (approx. RM 5.0, end of tidal waters north of Ebenezer Church) downstream to confluence with Northwest Br. Back R. CBP Segment MOBPH. Portion of DSS shellfish condemnation #054-021C.

VA Overall AU Category: **5A**

Use	Impairment	0.09 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		76082	**2004**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO). Previously impaired 2004 IR (VAT-C07E-01) for site specific DO impairment at DEQ station 7-BRK004.14.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		76082	**2004**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO). Previously impaired 2004 IR (VAT-C07E-01) for site specific DO impairment at DEQ station 7-BRK004.14.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline Embayments**

TMDL Group ID: **76082**

VAT-C07E_CCR01A06	Cedar & Topping Creeks	POQUOSON CITY CITY	Located near City of Poquoson. Cedar & Topping Creeks are tribs to the north shore of the Northwest Branch of Back River. Portion of DSS condemnation # 054-021C (less NW Br Back R./Brick Kiln Cr. portion). CBP Segment MOBPH.

VA Overall AU Category: **5A**

Use	Impairment	0.10 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		76082	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**	76082	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline Embayments**

TMDL Group ID: **76082**

VAT-C07E_CHS01A06	Chisman Creek-Upper & Goose Cr	POQUOSON CITY CITY	From end of tidal waters (upper 2/3 of creek), downstream to area of Evergreen Shores (approx. RM 0.9). CBP Segment MOBPH. DSS condemnation # 053-137A.

VA Overall AU Category: **5A**

Use	Impairment (0.51 SQUARE MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	76082	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**	76082	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline Embayments**

TMDL Group ID: **76082**

VAT-C07E_CHS02A06	Chisman Creek-Lower North Shore (Marina)	POQUOSON CITY CITY	North shore of creek, area of Cheeseman. Contains DSS seasonal condemnation # 053-137 M2. CBP Segment MOBPH.

VA Overall AU Category: **5A**

Use	Impairment	0.09 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		76082	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Non-Point Source)
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		76082	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Non-Point Source)
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline Embayments**

TMDL Group ID: **76082**

VAT-C07E_CHS02B06	Chisman Creek - Lower	POQUOSON CITY CITY	Lower 1/3 of creek, downstream from area of Evergreen Shores (RM 0.9) to mouth. CBP Segment MOBPH. DSS (OPEN) condemnation # 053-137.

VA Overall AU Category: **5A**

Use	Impairment	0.64 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		76082	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Non-Point Source)
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		76082	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Non-Point Source)
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline Embayments**

TMDL Group ID: **76082**

VAT-C07E_EAS01A06	Easton Cove/Floyds Bay	POQUOSON CITY CITY	Located in southeast corner of Bennett Cr, trib to Poquoson River. Area of York Haven Anchorage. Includes Easton Cove and Floyds Bay. DSS shellfish condemnation # 053-137I (Effective 2004-04-26). CBP Segment MOBPH.

VA Overall AU Category: **5A**

Use	Impairment	0.18 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		76082	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		76082	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline Embayments**

TMDL Group ID: **76082**

VAT-C07E_FRT01A06	Front Cove	POQUOSON CITY CITY	North shore trib. to mainstem Back R. Adjacent to Messick Point. DSS shellfish condemnation # 054-021A (Effective 2004-06-02, previously in # 193 - effective 1998-06-24). CBP Segment MOBPH.

VA Overall AU Category: **5A**

Use	Impairment	0.08 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		76082	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		76082	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline Embayments**

TMDL Group ID: **76082**

VAT-C07E_HAR01A06	Harris River - Upper	HAMPTON CITY	South shore trib. to mainstem Back R. Adjacent to Fox Hill area. DSS shellfish condemnation # 054-215A (Effective 2004-06-02, previously in # 054-021G - effective 2002-06-25). CBP Segment MOBPH.

VA Overall AU Category: **5A**

Use	Impairment (0.28 SQUARE MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	76082	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**	76082	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline Embayments**

TMDL Group ID: **76082**

VAT-C07E_HAR02A06 **Harris River - Lower** HAMPTON CITY

South shore trib. to mainstem Back R. Adjacent to Fox Hill area. From end of upstream DSS condemn (approx. RM 0.5) downstream to mouth. No DSS shellfish harvesting condemnation. CBP Segment MOBPH.

VA Overall AU Category: **5A**

Use	Impairment (0.13 SQUARE MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	76082	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).
	Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Non-Point Source) Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**	76082	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).
	Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Non-Point Source) Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline Embayments**

TMDL Group ID: **76082**

VAT-C07E_INB01A04	DSS Inlet #2-Unnamed Inlet of Back River	HAMPTON CITY	South shore trib. to mainstem Back R.Located in unnamed inlet west of Dandy Point. On south shore of Back River, southwest of mouth and east of Harris R. DSS condemnation # 054-215B (effective 2004-06-02). CBP Segment MOBPH.

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		76082	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		76082	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline Embayments**

TMDL Group ID: **76082**

VAT-C07E_LMC01A04	Lambs Creek - Poquoson River	POQUOSON CITY CITY YORK CO	South shore tributary to Poquoson R, west of Poquoson Shores. On border of Poquoson/York boundary. Between Moores Cr. and Roberts Cr to east. DSS Shellfish condemnation # 053-137 E (effective 2004-04-26). CBP Segment MOBPH.

VA Overall AU Category: **5A**

Use	Impairment	0.16 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		76082	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		76082	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline Embayments**

TMDL Group ID: **76082**

VAT-C07E_LON01A06	Long & Grunland Creeks - Back River	HAMPTON CITY	South shore trib. to mainstem Back R. Adjacent to Grandview area. DSS (ADMINISTRATIVE) shellfish harvesting condemnation # 054-215 D (effective 2004-06-02). CBP Segment MOBPH.

VA Overall AU Category: **5A**

Use	Impairment (0.17 SQUARE MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	76082	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**	76082	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline Embayments**

TMDL Group ID: **76082**

VAT-C07E_LYO01A06	Lyons Creek - Upper	POQUOSON CITY CITY	South shore tributary to Poquoson R, in area of York Haven Anchorage. East of Roberts Cr. and north of White House Cove. DSS Shellfish condemnation # 053-137 E (effective 2004-04-26). CBP Segment MOBPH.

VA Overall AU Category: **5A**

Use	Impairment (0.04 SQUARE MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	76082	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).
	Sources: Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Non-Point Source) Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)				
Open-Water Aquatic Life	**Oxygen, Dissolved**	76082	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).
	Sources: Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Non-Point Source) Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)				

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline Embayments**

TMDL Group ID: **76082**

VAT-C07E_LYO02A06	Lyons Creek - Lower	POQUOSON CITY CITY	South shore tributary to Poquoson R, in area of York Haven Anchorage. East of Roberts Cr. and north of White House Cove. DSS (OPEN) Shellfish condemnation # 053-137 (effective 2004-04-26). CBP Segment MOBPH.

VA Overall AU Category: **5A**

Use	Impairment (0.09 SQUARE MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	76082	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**	76082	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline Embayments**

TMDL Group ID: **76082**

VAT-C07E_NEW01A02	Newmarket Creek - Upper	HAMPTON CITY	South of Blue Bird Gap Farm area. From end of tidal waters (approx. RM 5.1) downstream to I-64 crossing (RM 3.68). Portion of DSS shellfish condemnation # 054-021 E (effective 2004-06-02). CBP Segment MOBPH.

VA Overall AU Category: **5A**

Use	Impairment	0.07 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		76082	**2004**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		76082	**2004**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline Embayments**

TMDL Group ID: **76082**

VAT-C07E_NEW02A02	Newmarket Creek - Lower	HAMPTON CITY	South of Blue Bird Gap Farm area. From end of tidal waters (approx. RM 5.1) downstream to I-64 crossing (RM 3.68). Portion of DSS shellfish condemnation # 054-021 E (effective 2004-06-02). CBP Segment MOBPH.

VA Overall AU Category: **5A**

Use	Impairment	0.08 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		76082	**2004**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO). Previously impaired 2004 IR (VAT-C07E-03) for site specific DO impairment at DEQ station 7-NEW001.92.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Non-Point Source)
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		76082	**2004**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO). Previously impaired 2004 IR (VAT-C07E-03) for site specific DO impairment at DEQ station 7-NEW001.92.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Non-Point Source)
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline Embayments**

TMDL Group ID: **76082**

VAT-C07E_NWB01A06	Northwest Br. Back River - Upper	HAMPTON CITY POQUOSON CITY CITY	Headwaters to confluence of Topping Creek @ RM 1.5, end of DSS shellfish condemnation #054-021C. Condemnation less Cedar/Topping & Brick Kiln Creeks. CBP Segment MOBPH.

VA Overall AU Category: **5A**

Use	Impairment	0.39 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		76082	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		76082	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline Embayments**

TMDL Group ID: **76082**

VAT-C07E_NWB02A06	Northwest Br. Back River - Lower	HAMPTON CITY POQUOSON CITY CITY	From area of confluence of Topping Creek (approx. RM 1.5) downstream to confluence with mainstem Back R. No DSS direct shellfish harvesting condmenation. CBP Segment MOBPH.

VA Overall AU Category: **5A**

Use	Impairment	1.11 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		76082	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		76082	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline Embayments**

TMDL Group ID: **76082**

VAT-C07E_POQ01A06	Poquoson River - Upper	YORK CO	From Rt 17 crossing @ reservoir dam (RM 5.7) downstream to point downstream of confluence of Quarter March Creek (RM 2.7) @ Calthrop Neck, DSS shellfish condemnation # 053-137D. Including Moores & Quarter March Creeks. CBP Segment MOBPH.

VA Overall AU Category: **5A**

Use	Impairment	0.40 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		76082	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		76082	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline Embayments**

TMDL Group ID: **76082**

VAT-C07E_POQ02A06	Poquoson River - Lower	YORK CO	From point downstream of confluence of Quarter March Creek (RM 2.7) @ Calthrop Neck to mouth. No DSS shellfish harvesting condemnation. CBP Segment MOBPH.

VA Overall AU Category: **5A**

Use	Impairment	2.45 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		76082	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		76082	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline Embayments**

TMDL Group ID: **76082**

VAT-C07E_POQ02B04	Unnamed Cove - Poquoson River	YORK CO	North shore trib to Poquoson R. east of Piney Point Estates. DSS shellfish condemnation # 053-137B. CBP Segment MOBPH.

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		76082	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Non-Point Source)
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		76082	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Non-Point Source)
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline Embayments**

TMDL Group ID: **76082**

VAT-C07E_PTC01A04	Patricks Creek - Poquoson River	YORK CO	North shore trib to Poquoson R. South of Dare area.DSS Shellfish condemnation # 053-137 C. CBP Segment MOBPH.

VA Overall AU Category: **5A**

Use	Impairment	0.10 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		76082	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Non-Point Source)
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		76082	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Non-Point Source)
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline Embayments**

TMDL Group ID: **76082**

VAT-C07E_ROB01A04	Roberts Creek - Poquoson River	POQUOSON CITY CITY	South shore trib to Poquoson R. South of Dare area. DSS Shellfish condemnation # 053-137 F. CBP Segment MOBPH.

VA Overall AU Category: **5A**

Use	Impairment	0.11 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		76082	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Non-Point Source)
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		76082	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Non-Point Source)
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline Embayments**

TMDL Group ID: **76082**

VAT-C07E_SWB01A06	Southwest Branch - Back River	HAMPTON CITY	Headwaters of Southwest Branch downstream to mouth, confluence with Back R. Includes Tides Mill Cr. DSS shellfish condemnation # 054-021E. CBP segment MOBPH.

VA Overall AU Category: **5A**

Use	Impairment (1.76 SQUARE MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	76082	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**	76082	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline Embayments**

TMDL Group ID: **76082**

VAT-C07E_TBC01A04	Tabbs Creek - Back River	POQUOSON CITY CITY	Tributary to Northwest Branch Back River. Portion of DSS shellfish condemnation # 054-021D. CBP segment MOBPH.

VA Overall AU Category: **5A**

Use	Impairment	0.07 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		76082	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		76082	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline Embayments**

TMDL Group ID: **76082**

VAT-C07E_WAL01A06	Wallace Creek - Upper (Back River)	HAMPTON CITY	Tributary to south shore Back River, east of Harris R & adjacent to Inlet #2. Most ustream tip of creek. DSS (ADMINISTRATIVE) shellfish condemnation # 054-215 E. CBP segment MOBPH.

VA Overall AU Category: **5A**

Use	Impairment (0.01 SQUARE MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	76082	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**	76082	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline Embayments**

TMDL Group ID: **76082**

VAT-C07E_WAL02A06	Wallace Creek - Lower (Back River)	HAMPTON CITY	Tributary to south shore Back River, east of Harris R & adjacent to Inlet #2. DSS shellfish condemnation # 054-215 C. CBP segment MOBPH.

VA Overall AU Category: **5A**

Use	Impairment	0.06 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		76082	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Non-Point Source)
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		76082	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Non-Point Source)
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline Embayments**

TMDL Group ID: **76082**

VAT-C07E_WAT01A06	Watts Creek - (NW Br. Back River)	POQUOSON CITY CITY	Located southwest of Poquoson. Watts Cr. trib to Northwest Br. of Back R. Portion of DSS condemnation # 054-021B. CBP segment MOBPH.

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		76082	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Non-Point Source)
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		76082	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Non-Point Source)
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline Embayments**

TMDL Group ID: **76082**

VAT-C07E_WHH01A06	White House Cove - Upper	POQUOSON CITY CITY	Located in York Haven Anchorage area, south of mouth of Poquoson R, area of DSS Shellfish condemnation # 053-137 H. CBP segment MOBPH.

VA Overall AU Category: **5A**

Use	Impairment	0.10 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		76082	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Non-Point Source) Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		76082	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Non-Point Source) Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

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Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Mobjack Bay Polyhaline Embayments**

TMDL Group ID: **76082**

VAT-C07E_ZZZ01A00	Unsegmented estuaries in C07E	HAMPTON CITY YORK CO	Non segmented areas of C07E. No DSS direct shellfish harvesting condmenation. CBP Segment MOBPH.

VA Overall AU Category: **5A**

Use	Impairment	31.81 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		76082	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		76082	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Moore Creek**

TMDL Group ID: **00990**

VAP-C03E_MRE01A02	Moore Creek	MIDDLESEX CO	As described in the condemnation notice 034-208A, 12/30/2004. Area expanded in 2006 cycle. Segment MRE02A02 was incorporated into this segment, then deleted. PIAMH.

VA Overall AU Category: **5A**

Use	Impairment	0.07 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		00990	**2002**	**2014**	00990 (SF) VAP-C03E-07 VDH-DSS Condemnation 034-208A, 12/30/2004. Area expanded in the 2006 cycle.

Sources: Source Unknown

TMDL Watershed Name: **Morris Creek**

TMDL Group ID: **01011**

VAP-C04E_MRC01A98	Morris Creek	MATHEWS CO	Tidal limit to approximately rivermile 0.15. PIAMH

VA Overall AU Category: **5A**

Use	Impairment	0.08 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01011	**2002**	**2014**	VAP-C04E-05 VDH-DSS Shellfish Condemnation 061 was expanded in 2004 cycle and incorporated the old condemnations on Stutts (due 2010) and Morris Creeks (due 2014). During the 2006 cycle, the segment was shortened again and the segments were split. The Morris Creek closure is included in 037-061B, 7/15/2004

Sources: Source Unknown

VAP-C04E_MRC02A06	Morris Creek	MATHEWS CO	Rivermile 0.15 downstream to end of condemnation 037-061B, 7/15/2004 PIAMH

VA Overall AU Category: **5A**

Use	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01011	**2002**	**2014**	VAP-C04E-05 VDH-DSS Shellfish Condemnation 061 was expanded in 2004 cycle and incorporated the old condemnations on Stutts (due 2010) and Morris Creeks (due 2014). During the 2006 cycle, the segment was shortened again and the segments were split. The Morris Creek closure is included in 037-061B, 7/15/2004

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Muddy Creek**

TMDL Group ID: **01235**

VAT-C10E_MUD01A04	Muddy Creek - Upper	ACCOMACK CO	Located Southeast of Bryds Marsh and northeast of Town of Bloxom on Eastern Shore. Portion of CBP segment POCMH. DSS shellfish direct harvesting condemnation # 076-176 A.

VA Overall AU Category: **5A**

Use	Impairment	0.34 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01235	**1998**	**2010**	DSS shellfish direct harvesting condemnation # 076-176 A.
		Sources: Source Unknown				

TMDL Group ID: **01449**

VAT-C10E_MUD01A04	Muddy Creek - Upper	ACCOMACK CO	Located Southeast of Bryds Marsh and northeast of Town of Bloxom on Eastern Shore. Portion of CBP segment POCMH. DSS shellfish direct harvesting condemnation # 076-176 A.

VA Overall AU Category: **5A**

Use	Impairment	0.34 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Enterococcus**		01449	**2006**	**2016**	The Recreation Use is impaired based on exceedance of the Fecal Coliform (2 violates / 12 obs.) and the Enterococcus bacteria criterias (2 violates / 3 obs.).
		Sources: Source Unknown				
Recreation	**Fecal Coliform**		01449	**1998**	**2016**	The Recreation Use is impaired based on exceedance of the Fecal Coliform (2 violates / 12 obs.) and the Enterococcus bacteria criterias (2 violates / 3 obs.).
		Sources: Source Unknown				

TMDL Watershed Name: **Nandua Creek**

TMDL Group ID: **00301**

VAT-C13E_NAN01A00	Nandua Creek - Upper	ACCOMACK CO	Southeast of Hacks Neck area. The two most upstream branches of Nandua Creek and mainstem downstream to area of Nandua (approx. RM 4.5). Includes Kusian Cove. Portion of CBP segment CB7PH. DSS condemnation # 082-160 A.

VA Overall AU Category: **5A**

Use	Impairment	0.15 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		00301	**1998**	**2010**	DSS condemnation # 082-160 A.
		Sources: Source Unknown				

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Narrow Channel Branch**

TMDL Group ID: **01474**

VAT-D06R_NCB01A04	**Narrow Channel Branch**	NORTHAMPTON CO	Located east of Bayview. Segment from headwaters downstream to start of tidal waters.

VA Overall AU Category: **5A**

Use	Impairment	1.48 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		01474	**2004**	**2016**	The Aquatic Life Use is impaired due to impacts to the stream's benthic population. DEQ Streams Benthic-Macroinvertebrate Bioassessments determines impairment by benthic assessment ratings of SI (spring 2001) & MI (fall 2001).

Sources: Source Unknown

TMDL Group ID: **01475**

VAT-D06R_NCB01A04	**Narrow Channel Branch**	NORTHAMPTON CO	Located east of Bayview. Segment from headwaters downstream to start of tidal waters.

VA Overall AU Category: **5A**

Use	Impairment	1.48 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		01475	**2004**	**2016**	The Recreatiion Use is impaired due to exceedance (2 violates / 2 obs.) of the criteria for fecal coliform bacteria. Need additional data, minimal observations (2) on which to base assessment.

Sources: Source Unknown

TMDL Watershed Name: **Nassawadox Creek, Upper**

TMDL Group ID: **01239**

VAT-C13E_NSS01A06	**Nassawadox Creek - Upper**	NORTHAMPTON CO	From end of tidal waters downstream to approx. 0.25 mi upstream of confluence with Kelly Cove (RM 5.2). Portion of CBP segment CB7PH. DSS condemnation # 085-110 B.

VA Overall AU Category: **5A**

Use	Impairment	0.15 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01239	**1998**	**2010**	DSS shellfish condemnation # 085-110 B.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **New Market Creek - Lower Riverine**

TMDL Group ID: **76003**

VAT-C07R_NEW01A06	New Market Creek - Lower Riverine	HAMPTON CITY	From 0.1 mi. below Chestnut Ave. downstream to 0.65 mi. below Aberdeen Rd. crossing. Lowermost riverine portion, prior to start of tidal influence. In area of Mount Olive Cemetery.

VA Overall AU Category: **5A**

Use	Impairment	1.98 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		76003	**2006**	**2018**	Probably related to downstream DO impairment (TMDL_ID VAT-C07E-03). The Aquatic Life impairment is due to dissolved oxygen concentrations (3 violates / 8 obs.) below the minimum criteria (4.0 mg/L). Within area of dense residential and commercial development.

Sources: Municipal (Urbanized High Density Area)
Source Unknown

TMDL Group ID: **76004**

VAT-C07R_NEW01A06	New Market Creek - Lower Riverine	HAMPTON CITY	From 0.1 mi. below Chestnut Ave. downstream to 0.65 mi. below Aberdeen Rd. crossing. Lowermost riverine portion, prior to start of tidal influence. In area of Mount Olive Cemetery.

VA Overall AU Category: **5A**

Use	Impairment	1.98 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		76004	**2006**	**2018**	The Recreation Use is impaired due to exceedance (6 violates / 8 obs.) of the fecal coliform bacteria criteria. Probably related to downstream fecal coliform impairment (TMDL_ID VAT-C07E-03).

Sources: Source Unknown

TMDL Watershed Name: **Newmarket Creek**

TMDL Group ID: **00415**

VAT-C07E_NEW01A02	Newmarket Creek - Upper	HAMPTON CITY	South of Blue Bird Gap Farm area. From end of tidal waters (approx. RM 5.1) downstream to I-64 crossing (RM 3.68). Portion of DSS shellfish condemnation # 054-021 E (effective 2004-06-02). CBP Segment MOBPH.

VA Overall AU Category: **5A**

Use	Impairment	0.07 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Enterococcus**		00415	**2006**	**2010**	Recreation Use impaired due to Enterococcus concentrations (8 violates / 12 obs.) exceeding the swimming indicator criteria (the previous Fecal Coliform indicator bacteria impairment no longer applies, replaced by Enterococcus criteria impairment, with the same TMDL due date as the FC impairment, since the threshold of 12 observations has been reached).

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Newmarket Creek**

TMDL Group ID: **00415**

VAT-C07E_NEW02A02	**Newmarket Creek - Lower**	HAMPTON CITY	South of Blue Bird Gap Farm area. From end of tidal waters (approx. RM 5.1) downstream to I-64 crossing (RM 3.68). Portion of DSS shellfish condemnation # 054-021 E (effective 2004-06-02). CBP Segment MOBPH.

VA Overall AU Category: **5A**

Use	Impairment (0.08 SQUARE MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Enterococcus**	00415	**2006**	**2010**	Recreation Use impaired due to Enterococcus concentrations (8 violates / 12 obs.) exceeding the swimming indicator criteria (the previous Fecal Coliform indicator bacteria impairment no longer applies, replaced by Enterococcus criteria impairment, with the same TMDL due date as the FC impairment, since the threshold of 12 observations has been reached).
		Sources: Source Unknown			
Shellfishing	**Fecal Coliform**	00415	**1998**	**2010**	DSS shellfish condemnation # 054-021 E (effective 2004-06-02).
		Sources: Discharges from Municipal Separate Storm Sewer Systems (MS4)			

TMDL Watershed Name: **Newmarket Creek, Upper**

TMDL Group ID: **01212**

VAT-C07E_NEW01A02	**Newmarket Creek - Upper**	HAMPTON CITY	South of Blue Bird Gap Farm area. From end of tidal waters (approx. RM 5.1) downstream to I-64 crossing (RM 3.68). Portion of DSS shellfish condemnation # 054-021 E (effective 2004-06-02). CBP Segment MOBPH.

VA Overall AU Category: **5A**

Use	Impairment (0.07 SQUARE MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**	01212	**1998**	**2010**	DSS shellfish condemnation # 054-021 E (effective 2004-06-02).
		Sources: Discharges from Municipal Separate Storm Sewer Systems (MS4)			

TMDL Watershed Name: **North River**

TMDL Group ID: **01012**

VAP-C04E_NOR01A02	**North River**	GLOUCESTER CO MATHEWS CO	Described in the condemnation notice 042-157A, 9/17/2004 Size increased in 2006 cycle MOBPH

VA Overall AU Category: **5A**

Use	Impairment (0.69 SQUARE MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**	01012	**1998**	**2010**	VAP-C04E-08 VDH-DSS SFC Number 042-157A, 9/17/2004
		Sources: Source Unknown			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Occohanock Creek, Upper**

TMDL Group ID: **00302**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAT-C13E_OCH01A06	**Occohannock Creek - Upper**	ACCOMACK CO NORTHAMPTON CO	Upper portion of Occohannock Creek and tidal tribs., from end of tidal waters downstream to the confluence of Wescott Cove (RM 5.3). Portion of CBP segment CB7PH. DSS condemnation # 084-043A.

VA Overall AU Category: **5A**

Use	Impairment	0.51 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		00302	**1998**	**2010**	{\rtf1\ansi\deff0\deftab720{\fonttbl{\f0\fswiss MS Sans Serif;}{\f1\froman\fcharset2 Symbol;}} {\colortbl\red0\green0\blue0;} \deflang1033\pard\plain\f0\fs17 DSS condemnation # 084-043A. \par }

Sources: Source Unknown

TMDL Watershed Name: **Old Plantation Creek, Upper DSS Condemnation**

TMDL Group ID: **01245**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAT-C16E_OPC01A06	**Old Plantation Creek - Upper**	NORTHAMPTON CO	From end of tidal waters downstream to narrows at approx. RM 2.0. Portion of CBP segment CB7PH. DSS shellfish condemnation # 090-152.

VA Overall AU Category: **5A**

Use	Impairment	0.11 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01245	**1998**	**2010**	

Sources: Source Unknown

TMDL Watershed Name: **Onancock Creek**

TMDL Group ID: **00278**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAT-C11E_OSB01A02	**South Branch, Onancock Creek**	ACCOMACK CO	Located near Town of Onancock. Entire South Branch, Onancock Creek. Portion of CBP segment CB7PH. Portion of DSS shellfish condemnation 081-013C.

VA Overall AU Category: **5A**

Use	Impairment	0.06 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		00278	**1998**	**2014**	The Recreation Use is impaired based on exceedance of the Fecal Coliform bacteria criteria (2 violates / 13 obs.) and exhibits Observed Effects due to unsufficient exceedance of Enterococcus bacteria criteria within a small data set (1 violates / 3 obs.).

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Onancock Creek**

TMDL Group ID: **01238**

VAT-C11E_OCN01A04 **Onancock Creek - Upper** ACCOMACK CO

Located near Town of Onancock.From junction of North, Central and South Branches downstream to end of DSS condemnation (RM 3.6) midway between Leatherberry and Cedar Creeks. Portion of CBP segment CB7PH. Portion of DSS shellfish condemnation 081-013C.

VA Overall AU Category: **5A**

Use	Impairment	0.23 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01238	**1998**	**2010**	Portion of DSS shellfish condemnation # 081-013C.

Sources: Source Unknown

VAT-C11E_OSB01A02 **South Branch, Onancock Creek** ACCOMACK CO

Located near Town of Onancock. Entire South Branch, Onancock Creek. Portion of CBP segment CB7PH. Portion of DSS shellfish condemnation 081-013C.

VA Overall AU Category: **5A**

Use	Impairment	0.06 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01238	**1998**	**2010**	Portion of DSS shellfish condemnation # 081-013C.

Sources: Source Unknown

TMDL Group ID: **76201**

VAT-C11E_OCN01A04 **Onancock Creek - Upper** ACCOMACK CO

Located near Town of Onancock.From junction of North, Central and South Branches downstream to end of DSS condemnation (RM 3.6) midway between Leatherberry and Cedar Creeks. Portion of CBP segment CB7PH. Portion of DSS shellfish condemnation 081-013C.

VA Overall AU Category: **5A**

Use	Impairment	0.23 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Enterococcus**		76201	**2006**	**2016**	The Recreation Use is impaired (2 violate / 12 obs.) due to exceedance of the instantaneous criteria for Enterococcus bacteria.The previous Fecal Coliform indicator bacteria impairment no longer applies, replaced by Enterococcus criteria impairment since threshold of 12 observations reached, with TMDL due date same as original FC impairment.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Onancock Creek, Central Branch**

TMDL Group ID: **01450**

VAT-C11E_OCB01A00	Central Branch, Onancock Creek	ACCOMACK CO	Located near Town of Onancock. Entire Central Branch, Onancock Creek. Portion of CBP segment CB7PH. Portion of DSS shellfish condemnation 081-013C.

VA Overall AU Category: **5A**

Use	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01450	**1998**	**2010**	Portion of DSS shellfish condemnation # 081-013C.

Sources: Source Unknown

TMDL Group ID: **76200**

VAT-C11E_OCB01A00	Central Branch, Onancock Creek	ACCOMACK CO	Located near Town of Onancock. Entire Central Branch, Onancock Creek. Portion of CBP segment CB7PH. Portion of DSS shellfish condemnation 081-013C.

VA Overall AU Category: **5A**

Use	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		76200	**1998**	**2010**	The Recreation Use is impaired based on exceedance of the Fecal Coliform bacteria criteria (3 violates / 13 obs.) and exhibits Observed Effects due to unsufficient exceedance of Enterococcus bacteria criteria within a small data set (1 violates / 3 obs.).

Sources: Source Unknown

TMDL Watershed Name: **Onancock Creek, North Branch**

TMDL Group ID: **00277**

VAT-C11E_ONB01A02	North Branch, Onancock Creek	ACCOMACK CO	Located near Town of Onancock. Entire North Branch, Onancock Creek. Portion of CBP segment CB7PH. DSS (ADMINISTRATIVE) shellfish direct harvesting condemnation 081-013 D.

VA Overall AU Category: **5A**

Use	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Enterococcus**		00277	**2006**	**2010**	The Recreation Use is impaired based on exceedance of the Fecal Coliform bacteria criteria (maximum of 8 violates / 12 obs.) and exceedance of the Enterococcus bacteria criteria (maximum of 3 violates / 3 obs),as well as exhibits Observed Effects due to unsufficient exceedance of Enterococcus bacteria criteria within a small data set (1 violates / 3 obs).

Sources: Source Unknown

Use	Impairment	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	00277	**2002**	**2010**	The Recreation Use is impaired based on exceedance of the Fecal Coliform bacteria criteria (maximum of 8 violates / 12 obs.) and exceedance of the Enterococcus bacteria criteria (maximum of 3 violates / 3 obs),as well as exhibits Observed Effects due to unsufficient exceedance of Enterococcus bacteria criteria within a small data set (1 violates / 3 obs).

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Owens Pond**

TMDL Group ID: **00967**

VAP-C01E_OWN01A98	Owens Pond	NORTHUMBERLAND CO	Described in the condemnation notice 122, 1/3/1992. CB5MH. Size adjusted in 2006 cycle.

VA Overall AU Category: **5A**

Use	Impairment	0.17 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		00967	**1998**	**2010**	00967 (SF) VAP-C01E-10 VDH-DSS Shellfish Condemnation Notice 122, 1/3/1992.

Sources: Source Unknown

TMDL Watershed Name: **Owl Creek - Lower**

TMDL Group ID: **76568**

VAT-D07E_OWL02A02	Owl Creek - Lower	VIRGINIA BEACH CITY	Headwaters tributary to Lake Rusee, located west of Lake Christine. Segment from mid-way point where creek broadens downstream to confluence with Lake Rudee. Portion of DSS shellfish condemnation # 073-074.

VA Overall AU Category: **5B**

Use	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		76568	**2002**	**2018**	DSS shellfish condemnation # 073-074. Effective 1989-04-27.

Sources: Source Unknown

TMDL Watershed Name: **Owl Creek- Upper**

TMDL Group ID: **76028**

VAT-D07E_OWL01A02	Owl Creek- Upper	VIRGINIA BEACH CITY	Headwaters tributary to Lake Rusee, located west of Lake Christine. Segment from headwaters downstream to point where creek broadens. Portion of DSS shellfish condemnation # 073-074.

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		76028	**2006**	**2018**	The Aquatic Life use is impaired due to dissolved oxygen concentrations (4 violates / 17 obs.) below the criteria minimum (4.0 mg/l). This TMDL ID (VAT-D07E-05) is added for the 2006 IR.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Owl Creek- Upper**

TMDL Group ID: **76567**

VAT-D07E_OWL01A02	Owl Creek- Upper	VIRGINIA BEACH CITY	Headwaters tributary to Lake Rusee, located west of Lake Christine. Segment from headwaters downstream to point where creek broadens. Portion of DSS shellfish condemnation # 073-074.

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		76567	**2004**	**2018**	DSS shellfish condemnation # 073-074. Effective 1989-04-27.

Sources: Source Unknown

TMDL Watershed Name: **Owl Creek, Lower**

TMDL Group ID: **01481**

VAT-D07E_OWL01A02	Owl Creek- Upper	VIRGINIA BEACH CITY	Headwaters tributary to Lake Rusee, located west of Lake Christine. Segment from headwaters downstream to point where creek broadens. Portion of DSS shellfish condemnation # 073-074.

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Enterococcus**		01481	**2006**	**2014**	Recreation Use impaired due to Enterococcus bacteria concentrations exceeding (7 violates / 14 obs.) the instantaneous swimming indicator criteria (the previous Fecal Coliform indicator bacteria impairment no longer applies, replaced by the Enterococcus bacteria criteria impairment since threshold of 12 observations reached, with TMDL due date same as original FC impairment).

Sources: Source Unknown

TMDL Watershed Name: **Oyster Slip (Harbor)**

TMDL Group ID: **01256**

VAT-D05E_OSS01A00	Oyster Slip (Harbor)	NORTHAMPTON CO	Located in the town of Oyster, east of Cheriton. Adjacent to Brockenberry Bay. DSS shellfish harvesting condemnation 094-12A.

VA Overall AU Category: **5A**

Use	Impairment	0.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01256	**1998**	**2010**	

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Oyster Slip (Harbor)**

TMDL Group ID: **76027**

VAT-D05E_OSS01A00	Oyster Slip (Harbor)	NORTHAMPTON CO	Located in the town of Oyster, east of Cheriton. Adjacent to Brockenberry Bay. DSS shellfish harvesting condemnation 094-12A.

VA Overall AU Category: **5A**

Use	Impairment	0.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Enterococcus**		76027	**2006**	**2018**	The Recreatiion Use is impaired due to exceedance (2 violates / 9 obs.) of the instaneous criteria for Enterococcus bacteria. Added during the 2006 IR cycle.

Sources: Source Unknown

TMDL Watershed Name: **Parker Creek**

TMDL Group ID: **00431**

VAT-D03R_PAR01A00	Parker Creek	ACCOMACK CO	Riverine section of Parker Creek, from headwaters (at PERDUE plant - VA0003808) downstream to start of tidal waters (downstream of RM 2.9). Located northeast of Accomac.

VA Overall AU Category: **5A**

Use	Impairment	3.56 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00431	**2004**	**2016**	The Recreatiion Use is impaired due to exceedance of the criteria for fecal coliform (7-PAR004.35 - 2 violates / 10 obs.) and Ecoli bacteria (7-PAR003.09 - 8 violates / 16 obs.), the previous Fecal Coliform indicator bacteria impairment no longer applies, replaced by Ecoli criteria impairment since threshold of 12 observations reached, with TMDL due date same as original FC impairment.
						Sources: Source Unknown
Recreation	**Fecal Coliform**		00431	**1994**	**2010**	The Recreatiion Use is impaired due to exceedance of the criteria for fecal coliform (7-PAR004.35 - 2 violates / 10 obs.) and Ecoli bacteria (7-PAR003.09 - 8 violates / 16 obs.) .
						Sources: Source Unknown

TMDL Group ID: **00432**

VAT-D03R_PAR01A00	Parker Creek	ACCOMACK CO	Riverine section of Parker Creek, from headwaters (at PERDUE plant - VA0003808) downstream to start of tidal waters (downstream of RM 2.9). Located northeast of Accomac.

VA Overall AU Category: **5A**

Use	Impairment	3.56 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		00432	**1994**	**2010**	DEQ Streams Benthic-Macroinvertebrate Bioassessments using Regional Reference method. The Aquatic Life Use is impaired due to impacts to the stream's benthic population. Benthic population impacts were recorded at the following sample events: 7-PAR004.35 - severely impaired [[VI:S-'00,F-'00,S-'01,F-'01,S-'02,MI:F-'02] & 7-PAR003.09 - moderatley impaired [MI:F-'00,F-'01,S-'02,F-'02].
						Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Parker Creek**

TMDL Group ID: **01255**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAT-D03E_PAR02A06	**Parker Creek - Lower**	ACCOMACK CO	Tributary to Metomkin Bay. Lower estuarine portion of creek, from start of DSS shellfish condemnation downstream to mouth (RM 0.0). DSS shellfish condemnation # 098-098A.

VA Overall AU Category: **5A**

Use	Impairment	0.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01255	**1998**	**2010**	

Sources: Source Unknown

TMDL Group ID: **76022**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAT-D03E_PAR01A06	**Parker Creek - Middle**	ACCOMACK CO	Tributary to Metomkin Bay. Middle estuarine portion of creek, from confluence of North Fork (RM 1.3) downstream to start of DSS shellfish condemnation (# 098-098A).

VA Overall AU Category: **5A**

Use	Impairment	0.04 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Enterococcus**		76022	**2006**	**2018**	The Recreatiion Use is impaired due to the exceedance (6 violates / 9 obs.) of the Enterococcus bacteria criteria. This assessment unit is added as impaired for the 2006 IR

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAT-D03E_PAR02A06	**Parker Creek - Lower**	ACCOMACK CO	Tributary to Metomkin Bay. Lower estuarine portion of creek, from start of DSS shellfish condemnation downstream to mouth (RM 0.0). DSS shellfish condemnation # 098-098A.

VA Overall AU Category: **5A**

Use	Impairment	0.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Enterococcus**		76022	**2006**	**2018**	The Recreatiion Use is assessed using data extrapolated from the upstream station @ 7-PAR001.20. The Recreatiion Use is impaired due to the exceedance (6 violates / 9 obs.) of the Enterococcus bacteria criteria.This assessment unit is added as impaired for the 2006 IR.

Sources: Source Unknown

TMDL Watershed Name: **Patricks Creek - Poquoson River**

TMDL Group ID: **01754**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAT-C07E_PTC01A04	**Patricks Creek - Poquoson River**	YORK CO	North shore trib to Poquoson R. South of Dare area.DSS Shellfish condemnation # 053-137 C. CBP Segment MOBPH.

VA Overall AU Category: **5A**

Use	Impairment	0.10 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01754	**2006**	**2016**	DSS Shellfish condemnation # 053-137 C.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Pepper Creek**

TMDL Group ID: **10119**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-C04E_PEP01A06	**Pepper Creek**	MATHEWS CO	As described in the condemnation notice 040-085A, 12/27/2004. MOBPH

VA Overall AU Category: **5A**

Use	Impairment	0.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		10119	**2006**	**2018**	VAP-C04E-22 VDH-DSS SFC Number 040-085A, 12/27/2004

Sources: Source Unknown

TMDL Watershed Name: **Pettit Branch**

TMDL Group ID: **00430**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAT-D02R_PET01A00	**Pettit Branch**	ACCOMACK CO	South shore tributary to Assawoman Creek. From headwaters to start of tidal waters.

VA Overall AU Category: **5A**

Use	Impairment	2.12 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00430	**2006**	**2010**	

Sources: Source Unknown

TMDL Group ID: **01458**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAT-D02R_PET01A00	**Pettit Branch**	ACCOMACK CO	South shore tributary to Assawoman Creek. From headwaters to start of tidal waters.

VA Overall AU Category: **5A**

Use	Impairment	2.12 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		01458	**1996**	**2010**	DEQ Streams Benthic-Macroinvertebrate Bioassessments using Regional Reference method. The Aquatic Life Use is impaired due to impacts to the stream's benthic population (impaired rating for Biological Monitoring resulting from the following DEQ Streams Benthic-Macroinvertebrate Bioassessments sample events: VI:S-'00,MI:F-'00,S-'01,F-'01,S-'02].

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Piankatank River**

TMDL Group ID: **00993**

VAP-C03E_PNK01A02	Piankatank River	GLOUCESTER CO MIDDLESEX CO	Watershed limit to Deep Point Boat Landing. Part of VDH-DSS SFC No. 035-076A, 9/3/2004. PIAMH.

VA Overall AU Category: **5A**

Use	Impairment	2.22 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		00993	**1998**	**2010**	00980(SF) VAP-C03E-02 VDH Shellfish Condemnation Notice 035-076A, 9/3/2004. VDH Shellfish Condemnations for the Upper Piankatank River and Harpers Creek were previously separated as areas 076A and 076B (5/24/1999). In September 2004, the condemnation area expanded so that Harpers Creek is now a portion of the Upper Pianaktank River.

Sources: Source Unknown

TMDL Group ID: **15005**

VAP-C03E_PNK03A00	Piankatank River	MATHEWS CO MIDDLESEX CO	One-half mile radius around monitoring station 7-PNK005.36 on the Piankatank River between Pond Point and Iron Point. PIAMH.

VA Overall AU Category: **5A**

Use	Impairment	1.28 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Estuarine Bioassessments**		15005	**2006**	**2018**	15005 (B-IBI) VAP-C03E-10 Based on the information collected from the Coastal 2000 station 7-PNK005.20, the Weight of Evidence estuarine bioassessment results indicated the benthic community was impaired. Therefore this segment was assessed as not supporting for aquatic life use .

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Piankatank River**

TMDL Group ID: **90027**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-C03E_PNK06A04	**Piankatank River**	GLOUCESTER CO MIDDLESEX CO	Deep Point Boat Landing downstream to limit of shellfish condemnation VDH-DSS Notice 035-076A, 9/3/2004. PIAMH. SFC area expanded in 2006 cycle.

VA Overall AU Category: **5A**

Use	Impairment	0.26 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		90027	**1998**	**2010**	00980 (SF) VAP-C03E-02 VDH-DSS Shellfish Condemnation 035-076A, 9/3/2004. Area expanded in 2006 cycle.

Sources: Source Unknown

TMDL Watershed Name: **Piankatank River Mesohaline Embayments**

TMDL Group ID: **01771**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-C02E_DRN01A02	**Dragon Swamp**	GLOUCESTER CO MIDDLESEX CO	The tidal portion of Dragon Swamp. PIAMH.

VA Overall AU Category: **5A**

Use	Impairment	1.11 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01771	**2002**	**2014**	01771 (DO) VAP-C02E-01 In 2002, this segment was listed for dissolved oxygen (DO), considered to be due to natural conditions of upstream swamps. The new Chesapeake Bay criteria were implemented during the 2006 cycle. The Open Water 30 Day Dissolved Oxygen criteria were acceptable, however there were insufficient data to assess the other criteria. Therefore this segment remains listed for the DO impairment. The TMDL is due in 2014.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Piankatank River Mesohaline Embayments**

TMDL Group ID: **01771**

VAP-C03E_PNK01A02 **Piankatank River** GLOUCESTER CO MIDDLESEX CO

Watershed limit to Deep Point Boat Landing. Part of VDH-DSS SFC No. 035-076A, 9/3/2004.

PIAMH.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	2.22	SQUARE MILES	01771	**2002**	**2014**	01771 (DO) VAP-C03E-01, In 2002, this segment was listed for dissolved oxygen (DO), considered to be due to stratification. The new Chesapeake Bay criteria were implemented during the 2006 cycle. The Open Water 30 Day Dissolved Oxygen criteria were acceptable, however there were insufficient data to assess the other criteria. Therefore this segment remains listed for the DO impairment. The TMDL is due in 2014.

Sources: Changes in Ordinary Stratification and Bottom Water Hypoxia/Anoxia

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VAP-C03E_PNK02A00 **Piankatank River** GLOUCESTER CO MIDDLESEX CO

Mainstem Piankatank from downstream limit of VDH-DSS SFC 035-076 down to PNK03A00.

PIAMH.

Size adjusted in 2006 cycle.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	4.58	SQUARE MILES	01771	**2002**	**2014**	01771 (DO) VAP-C03E-01 In 2002, this segment was listed for dissolved oxygen (DO), considered to be due to stratification. The new Chesapeake Bay criteria were implemented during the 2006 cycle. The Open Water 30 Day Dissolved Oxygen criteria were acceptable, however there were insufficient data to assess the other criteria. Therefore this segment remains listed for the DO impairment. The TMDL is due in 2014.

Sources: Changes in Ordinary Stratification and Bottom Water Hypoxia/Anoxia

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Piankatank River Mesohaline Embayments**

TMDL Group ID: **01771**

VAP-C03E_PNK03A00 **Piankatank River** MATHEWS CO, MIDDLESEX CO

One-half mile radius around monitoring station 7-PNK005.36 on the Piankatank River between Pond Point and Iron Point.

PIAMH.

VA Overall AU Category: **5A**

Use	Impairment	1.28 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01771	**2002**	**2014**	01771 (DO) VAP-C03E-01 In 2002, this segment was listed for dissolved oxygen (DO), considered to be due to stratification. The new Chesapeake Bay criteria were implemented during the 2006 cycle. The Open Water 30 Day Dissolved Oxygen criteria were acceptable, however there were insufficient data to assess the other criteria. Therefore this segment remains listed for the DO impairment. The TMDL is due in 2014.

Sources: Changes in Ordinary Stratification and Bottom Water Hypoxia/Anoxia

VAP-C03E_PNK04A00 **Piankatank River** MATHEWS CO, MIDDLESEX CO

Mainstem Piankatank River from PNK03A00 downstream to the point at Fishing Bay.

PIAMH.

VA Overall AU Category: **5A**

Use	Impairment	3.49 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01771	**2002**	**2014**	01771 (DO) VAP-C03E-01 In 2002, this segment was listed for dissolved oxygen (DO), considered to be due to stratification. The new Chesapeake Bay criteria were implemented during the 2006 cycle. The Open Water 30 Day Dissolved Oxygen criteria were acceptable, however there were insufficient data to assess the other criteria. Therefore this segment remains listed for the DO impairment. The TMDL is due in 2014.

Sources: Changes in Ordinary Stratification and Bottom Water Hypoxia/Anoxia

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Piankatank River Mesohaline Embayments**

TMDL Group ID: **01771**

VAP-C03E_PNK04B06 **Piankatank River, Porpoise Cove** MIDDLESEX CO As described in VDH-DSS SFC No. 034-208 M1 (seasonal), 12/30/2004.

PIAMH.

VA Overall AU Category: **5A**

Use	Impairment	0.06 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01771	**2006**	**2014**	01771 (DO) VAP-C03E-01 In 2002, this segment was listed for dissolved oxygen (DO), considered to be due to stratification. The new Chesapeake Bay criteria were implemented during the 2006 cycle. The Open Water 30 Day Dissolved Oxygen criteria were acceptable, however there were insufficient data to assess the other criteria. Therefore this segment remains listed for the DO impairment. The TMDL is due in 2014.

Sources: Changes in Ordinary Stratification and Bottom Water Hypoxia/Anoxia

VAP-C03E_PNK04C06 **Piankatank River, Fishing Bay** MIDDLESEX CO As described in VDH-DSS SFC No. 034-208 M2 (seasonal), 12/30/2004.

PIAMH.

VA Overall AU Category: **5A**

Use	Impairment	0.08 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01771	**2002**	**2014**	01771 (DO) VAP-C03E-01 In 2002, this segment was listed for dissolved oxygen (DO), considered to be due to stratification. The new Chesapeake Bay criteria were implemented during the 2006 cycle. The Open Water 30 Day Dissolved Oxygen criteria were acceptable, however there were insufficient data to assess the other criteria. Therefore this segment remains listed for the DO impairment. The TMDL is due in 2014.

Sources: Changes in Ordinary Stratification and Bottom Water Hypoxia/Anoxia

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Piankatank River Mesohaline Embayments**

TMDL Group ID: **01771**

VAP-C03E_PNK06A04 **Piankatank River** GLOUCESTER CO MIDDLESEX CO

Deep Point Boat Landing downstream to limit of shellfish condemnation VDH-DSS Notice 035-076A, 9/3/2004.

PIAMH.

SFC area expanded in 2006 cycle.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	0.26	SQUARE MILES	01771	**2002**	**2014**	01771 (DO) VAP-C03E-01 In 2002, this segment was listed for dissolved oxygen (DO), considered to be due to stratification. The new Chesapeake Bay criteria were implemented during the 2006 cycle. The Open Water 30 Day Dissolved Oxygen criteria were acceptable, however there were insufficient data to assess the other criteria. Therefore this segment remains listed for the DO impairment. The TMDL is due in 2014.

Sources: Changes in Ordinary Stratification and Bottom Water Hypoxia/Anoxia

VAP-C04E_MRC01A98 **Morris Creek** MATHEWS CO

Tidal limit to approximately rivermile 0.15.

PIAMH

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	0.08	SQUARE MILES	01771	**2002**	**2014**	VAP-C04E-06 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. Although the Piankatank Mesohaline segment (PIAMH) met the 30-day open water dissolved oxygen standards, there was insufficient data to assess the other criteria, therefore the segment must remain listed.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Piankatank River Mesohaline Embayments**

TMDL Group ID: **10113**

VAP-C02E_DRN01A02	Dragon Swamp	GLOUCESTER CO MIDDLESEX CO	The tidal portion of Dragon Swamp. PIAMH.

VA Overall AU Category: **5A**

Use	Impairment	1.11 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10113	**2006**	**2010**	10113 (SAV) VAP-C04E-04 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The Piankatank Mesohaline segment (PIAMH) failed the Submerged Aquatic Vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10113	**2006**	**2010**	10113 (SAV) VAP-C04E-04 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The Piankatank Mesohaline segment (PIAMH) failed the Submerged Aquatic Vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Piankatank River Mesohaline Embayments**

TMDL Group ID: **10113**

VAP-C03E_COB01A02	Cobbs Creek	MATHEWS CO	As described in the condemnation notice 170, 3/2/1993. PIAMH.

VA Overall AU Category: **5D**

Use	Impairment	0.05 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10113	**2006**	**2010**	10113 (SAV) VAP-C04E-04 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The Piankatank Mesohaline segment (PIAMH) failed the Submerged Aquatic Vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10113	**2006**	**2010**	10113 (SAV) VAP-C04E-04 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The Piankatank Mesohaline segment (PIAMH) failed the Submerged Aquatic Vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Piankatank River Mesohaline Embayments**

TMDL Group ID: **10113**

VAP-C03E_COB02A02 **Cobbs Creek** MATHEWS CO

As described in VDH-DSS SFC No. 034-170, 10/13/2003, not otherwise segmented.

PIAMH.

VA Overall AU Category: **5A**

Use	Impairment	0.05 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10113	**2006**	**2010**	10113 (SAV) VAP-C04E-04 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The Piankatank Mesohaline segment (PIAMH) failed the Submerged Aquatic Vegetation acreage requirements.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Clean Sediments
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sediment Resuspension (Clean Sediment)
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10113	**2006**	**2010**	10113 (SAV) VAP-C04E-04 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The Piankatank Mesohaline segment (PIAMH) failed the Submerged Aquatic Vegetation acreage requirements.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Clean Sediments
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sediment Resuspension (Clean Sediment)
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Piankatank River Mesohaline Embayments**

TMDL Group ID: **10113**

VAP-C03E_FER01A98	Ferry Creek	GLOUCESTER CO	Described in the condemnation notice 035-171, 6/9/1998. PIAMH.

VA Overall AU Category: **5A**

Use	Impairment	0.09 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10113	**2006**	**2010**	10113 (SAV) VAP-C04E-04 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The Piankatank Mesohaline segment (PIAMH) failed the Submerged Aquatic Vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10113	**2006**	**2010**	10113 (SAV) VAP-C04E-04 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The Piankatank Mesohaline segment (PIAMH) failed the Submerged Aquatic Vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Piankatank River Mesohaline Embayments**

TMDL Group ID: **10113**

VAP-C03E_FRE01A02	Frenchs Creek	GLOUCESTER CO	As described in the condemnation notice 035-076B, 9/3/2004. PIAMH.

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10113	**2006**	**2010**	10113 (SAV) VAP-C04E-04 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The Piankatank Mesohaline segment (PIAMH) failed the Submerged Aquatic Vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10113	**2006**	**2010**	10113 (SAV) VAP-C04E-04 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The Piankatank Mesohaline segment (PIAMH) failed the Submerged Aquatic Vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Piankatank River Mesohaline Embayments**

TMDL Group ID: **10113**

VAP-C03E_HEA01A02	Healy Creek	MIDDLESEX CO	Described in the VDH-DSS Shellfish Condemnation Notice 129, 3/3/1997. PIAMH.

VA Overall AU Category: **5D**

Use	Impairment	0.05 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10113	**2006**	**2010**	10113 (SAV) VAP-C04E-04 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The Piankatank Mesohaline segment (PIAMH) failed the Submerged Aquatic Vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10113	**2006**	**2010**	10113 (SAV) VAP-C04E-04 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The Piankatank Mesohaline segment (PIAMH) failed the Submerged Aquatic Vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Piankatank River Mesohaline Embayments**

TMDL Group ID: **10113**

VAP-C03E_HEA02A06	Healy Creek	MIDDLESEX CO	Described in the VDH-DSS Shellfish Condemnation Notice 129, 2/26/1999. PIAMH.

VA Overall AU Category: **5A**

Use	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10113	**2006**	**2010**	10113 (SAV) VAP-C04E-04 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The Piankatank Mesohaline segment (PIAMH) failed the Submerged Aquatic Vegetation acreage requirements.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Clean Sediments
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sediment Resuspension (Clean Sediment)
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10113	**2006**	**2010**	10113 (SAV) VAP-C04E-04 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The Piankatank Mesohaline segment (PIAMH) failed the Submerged Aquatic Vegetation acreage requirements.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Clean Sediments
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sediment Resuspension (Clean Sediment)
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Piankatank River Mesohaline Embayments**

TMDL Group ID: **10113**

VAP-C03E_HRP01A98	**Harper Creek**	GLOUCESTER CO	Described in the condemnation notice 035-076A, 9/3/2006. Harper Creek is a portion of the Piankatank River condemnation. PIAMH. Size adjusted in 2006 cycle.

VA Overall AU Category: **5A**

Use	Impairment	0.07 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10113	**2006**	**2010**	10113 (SAV) VAP-C04E-04 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The Piankatank Mesohaline segment (PIAMH) failed the Submerged Aquatic Vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10113	**2006**	**2010**	10113 (SAV) VAP-C04E-04 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The Piankatank Mesohaline segment (PIAMH) failed the Submerged Aquatic Vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Piankatank River Mesohaline Embayments**

TMDL Group ID: **10113**

VAP-C03E_JCK01A98 **Jackson Creek** MIDDLESEX CO

Described in the condemnation notice 033-084A, 12/30/2004.

Size increased in 2006 cycle. Segments JCK01B98 and JCK01C98 were incorporated into this segment, then deleted.

PIAMH.

VA Overall AU Category: **5A**

Use	Impairment	0.30 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10113	**2006**	**2010**	10113 (SAV) VAP-C04E-04 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The Piankatank Mesohaline segment (PIAMH) failed the Submerged Aquatic Vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10113	**2006**	**2010**	10113 (SAV) VAP-C04E-04 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The Piankatank Mesohaline segment (PIAMH) failed the Submerged Aquatic Vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Piankatank River Mesohaline Embayments**

TMDL Group ID: **10113**

VAP-C03E_MRE01A02	**Moore Creek**	MIDDLESEX CO	As described in the condemnation notice 034-208A, 12/30/2004. Area expanded in 2006 cycle. Segment MRE02A02 was incorporated into this segment, then deleted. PIAMH.

VA Overall AU Category: **5A**

Use	Impairment	0.07 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10113	**2006**	**2010**	10113 (SAV) VAP-C04E-04 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The Piankatank Mesohaline segment (PIAMH) failed the Submerged Aquatic Vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10113	**2006**	**2010**	10113 (SAV) VAP-C04E-04 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The Piankatank Mesohaline segment (PIAMH) failed the Submerged Aquatic Vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Piankatank River Mesohaline Embayments**

TMDL Group ID: **10113**

VAP-C03E_PNK01A02	**Piankatank River**	GLOUCESTER CO MIDDLESEX CO	Watershed limit to Deep Point Boat Landing. Part of VDH-DSS SFC No. 035-076A, 9/3/2004. PIAMH.

VA Overall AU Category: **5A**

Use	Impairment	2.22 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10113	**2006**	**2010**	10113 (SAV) VAP-C04E-04 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The Piankatank Mesohaline segment (PIAMH) failed the Submerged Aquatic Vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10113	**2006**	**2010**	10113 (SAV) VAP-C04E-04 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The Piankatank Mesohaline segment (PIAMH) failed the Submerged Aquatic Vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Piankatank River Mesohaline Embayments**

TMDL Group ID: **10113**

VAP-C03E_PNK02A00	Piankatank River	GLOUCESTER CO MIDDLESEX CO	Mainstem Piankatank from downstream limit of VDH-DSS SFC 035-076 down to PNK03A00. PIAMH. Size adjusted in 2006 cycle.

VA Overall AU Category: **5A**

Use	Impairment	4.58 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10113	**2006**	**2010**	10113 (SAV) VAP-C04E-04 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The Piankatank Mesohaline segment (PIAMH) failed the Submerged Aquatic Vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10113	**2006**	**2010**	10113 (SAV) VAP-C04E-04 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The Piankatank Mesohaline segment (PIAMH) failed the Submerged Aquatic Vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Piankatank River Mesohaline Embayments**

TMDL Group ID: **10113**

VAP-C03E_PNK03A00	Piankatank River	MATHEWS CO MIDDLESEX CO	One-half mile radius around monitoring station 7-PNK005.36 on the Piankatank River between Pond Point and Iron Point. PIAMH.

VA Overall AU Category: **5A**

Use	Impairment	1.28 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10113	**2006**	**2010**	10113 (SAV) VAP-C04E-04, During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The Piankatank Mesohaline segment (PIAMH) failed the Submerged Aquatic Vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10113	**2006**	**2010**	10113 (SAV) VAP-C04E-04, During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The Piankatank Mesohaline segment (PIAMH) failed the Submerged Aquatic Vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Piankatank River Mesohaline Embayments**

TMDL Group ID: **10113**

VAP-C03E_PNK04A00	**Piankatank River**	MATHEWS CO MIDDLESEX CO	Mainstem Piankatank River from PNK03A00 downstream to the point at Fishing Bay. PIAMH.

VA Overall AU Category: **5A**

Use	Impairment	3.49 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10113	**2006**	**2010**	10113 (SAV) VAP-C04E-04 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The Piankatank Mesohaline segment (PIAMH) failed the Submerged Aquatic Vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10113	**2006**	**2010**	10113 (SAV) VAP-C04E-04 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The Piankatank Mesohaline segment (PIAMH) failed the Submerged Aquatic Vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Piankatank River Mesohaline Embayments**

TMDL Group ID: **10113**

VAP-C03E_PNK04B06	Piankatank River, Porpoise Cove	MIDDLESEX CO	As described in VDH-DSS SFC No. 034-208 M1 (seasonal), 12/30/2004. PIAMH.

VA Overall AU Category: **5A**

Use	Impairment	0.06 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10113	**2006**	**2010**	10113 (SAV) VAP-C04E-04 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The Piankatank Mesohaline segment (PIAMH) failed the Submerged Aquatic Vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10113	**2006**	**2010**	10113 (SAV) VAP-C04E-04 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The Piankatank Mesohaline segment (PIAMH) failed the Submerged Aquatic Vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Piankatank River Mesohaline Embayments**

TMDL Group ID: **10113**

VAP-C03E_PNK04C06	Piankatank River, Fishing Bay	MIDDLESEX CO	As described in VDH-DSS SFC No. 034-208 M2 (seasonal), 12/30/2004. PIAMH.

VA Overall AU Category: **5A**

Use	Impairment	0.08 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10113	**2006**	**2010**	10113 (SAV) VAP-C04E-04 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The Piankatank Mesohaline segment (PIAMH) failed the Submerged Aquatic Vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10113	**2006**	**2010**	10113 (SAV) VAP-C04E-04 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The Piankatank Mesohaline segment (PIAMH) failed the Submerged Aquatic Vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Piankatank River Mesohaline Embayments**

TMDL Group ID: **10113**

VAP-C03E_PNK05A02	**Piankatank River**	MATHEWS CO MIDDLESEX CO	Piankatank River downstream of Fishing Bay at Stove Point to mouth at Chesapeake Bay PIAMH. Size adjusted in 2006 cycle.

VA Overall AU Category: **5A**

Use	Impairment	4.97 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10113	**2006**	**2010**	10113 (SAV) VAP-C04E-04 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The Piankatank Mesohaline segment (PIAMH) failed the Submerged Aquatic Vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10113	**2006**	**2010**	10113 (SAV) VAP-C04E-04 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The Piankatank Mesohaline segment (PIAMH) failed the Submerged Aquatic Vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Piankatank River Mesohaline Embayments**

TMDL Group ID: **10113**

VAP-C03E_PNK06A04	**Piankatank River**	GLOUCESTER CO MIDDLESEX CO	Deep Point Boat Landing downstream to limit of shellfish condemnation VDH-DSS Notice 035-076A, 9/3/2004. PIAMH. SFC area expanded in 2006 cycle.

VA Overall AU Category: **5A**

Use	Impairment	0.26 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10113	**2006**	**2010**	10113 (SAV) VAP-C04E-04 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The Piankatank Mesohaline segment (PIAMH) failed the Submerged Aquatic Vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10113	**2006**	**2010**	10113 (SAV) VAP-C04E-04 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The Piankatank Mesohaline segment (PIAMH) failed the Submerged Aquatic Vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Piankatank River Mesohaline Embayments**

TMDL Group ID: **10113**

VAP-C03E_WLT01A98 **Wilton Creek** MIDDLESEX CO Described in the condemnation notice 126, 3/2/1993.

PIAMH.

VA Overall AU Category: **5D**

Use	Impairment	0.13 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10113	**2006**	**2010**	15000 (PCBs) VAP-C01E-17 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The Piankatank Mesohaline segment (PIAMH) failed the Submerged Aquatic Vegetation acreage requirements.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10113	**2006**	**2010**	10113 (SAV) VAP-C04E-04 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The Piankatank Mesohaline segment (PIAMH) failed the Submerged Aquatic Vegetation acreage requirements.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Piankatank River Mesohaline Embayments**

TMDL Group ID: **10113**

VAP-C03E_ZZZ01A00 **Unsegmented estuaries in C03** GLOUCESTER CO

Unsegmented portion of the watershed.

Size adjusted in 2006 cycle.

PIAMH.

VA Overall AU Category: **5A**

Use	Impairment	0.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10113	**2006**	**2010**	10113 (SAV) VAP-C04E-04 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The Piankatank Mesohaline segment (PIAMH) failed the Submerged Aquatic Vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10113	**2006**	**2010**	10113 (SAV) VAP-C04E-04 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The Piankatank Mesohaline segment (PIAMH) failed the Submerged Aquatic Vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Piankatank River Mesohaline Embayments**

TMDL Group ID: **10113**

VAP-C04E_BLP01A98	Billups Creek	MATHEWS CO	Described in the condemnation notice 037-061C, 7/15/2004. Size adjusted in 2006 although area did not change from 2004 cycle. PIAMH

VA Overall AU Category: **5A**

Use	Impairment	0.08 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10113	**2006**	**2010**	VAP-C04E-04 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The Piankatank Mesohaline segment (PIAMH) failed the Submerged Aquatic Vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10113	**2006**	**2010**	VAP-C04E-04 (SAV) During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The Piankatank Mesohaline segment (PIAMH) failed the Submerged Aquatic Vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Piankatank River Mesohaline Embayments**

TMDL Group ID: **10113**

VAP-C04E_BRN01A04 **Barn Creek** MATHEWS CO

Described in the previous condemnation notice 197A, 2/1/2001

Size adjusted in 2006 cycle, although area did not change

PIAMH

VA Overall AU Category: **5A**

Use	Impairment	0.05 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10113	**2006**	**2010**	VAP-C04E-04 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The Piankatank Mesohaline segment (PIAMH) failed the Submerged Aquatic Vegetation acreage requirements.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10113	**2006**	**2010**	VAP-C04E-04 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The Piankatank Mesohaline segment (PIAMH) failed the Submerged Aquatic Vegetation acreage requirements.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Piankatank River Mesohaline Embayments**

TMDL Group ID: **10113**

VAP-C04E_EDW01A98	**Edwards Creek**	MATHEWS CO	Described in the condemnation notice 197A, 2/19/2003. PIAMH

VA Overall AU Category: **5A**

Use	Impairment	0.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10113	**2006**	**2010**	VAP-C04E-04 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The Piankatank Mesohaline segment (PIAMH) failed the Submerged Aquatic Vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10113	**2006**	**2010**	VAP-C04E-04 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The Piankatank Mesohaline segment (PIAMH) failed the Submerged Aquatic Vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Piankatank River Mesohaline Embayments**

TMDL Group ID: **10113**

VAP-C04E_EDW02A98	**Edwards Creek**	MATHEWS CO	Described in the condemnation notice 197B, 2/19/2003. PIAMH

VA Overall AU Category: **5A**

Use	Impairment	0.05 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10113	**2006**	**2010**	VAP-C04E-04 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The Piankatank Mesohaline segment (PIAMH) failed the Submerged Aquatic Vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10113	**2006**	**2010**	VAP-C04E-04 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The Piankatank Mesohaline segment (PIAMH) failed the Submerged Aquatic Vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Piankatank River Mesohaline Embayments**

TMDL Group ID: **10113**

VAP-C04E_LAN01A02 **Lanes Creek** MATHEWS CO As described in previous condemnation notice 037-099C, 2/1/2001.

PIAMH

VA Overall AU Category: **5A**

Use	Impairment	0.05 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10113	**2006**	**2010**	VAP-C04E-04 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The Piankatank Mesohaline segment (PIAMH) failed the Submerged Aquatic Vegetation acreage requirements.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Clean Sediments
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sediment Resuspension (Clean Sediment)
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10113	**2006**	**2010**	VAP-C04E-04 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The Piankatank Mesohaline segment (PIAMH) failed the Submerged Aquatic Vegetation acreage requirements.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Clean Sediments
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sediment Resuspension (Clean Sediment)
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Piankatank River Mesohaline Embayments**

TMDL Group ID: **10113**

VAP-C04E_MID01A02	Winder Creek	MATHEWS CO	As described in the condemnation notice 037-099C, 4/28/2004. PIAMH

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10113	**2006**	**2010**	VAP-C04E-04 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The Piankatank Mesohaline segment (PIAMH) failed the Submerged Aquatic Vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10113	**2006**	**2010**	VAP-C04E-04 (SAV) During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The Piankatank Mesohaline segment (PIAMH) failed the Submerged Aquatic Vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Piankatank River Mesohaline Embayments**

TMDL Group ID: **10113**

VAP-C04E_MLF01A98 **Milford Haven** MATHEWS CO Described in the condemnation notice 037-099D, 4/28/2004.

PIAMH

VA Overall AU Category: **5A**

Use	Impairment	0.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10113	**2006**	**2010**	VAP-C04E-04 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The Piankatank Mesohaline segment (PIAMH) failed the Submerged Aquatic Vegetation acreage requirements.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Clean Sediments
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sediment Resuspension (Clean Sediment)
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10113	**2006**	**2010**	VAP-C04E-04 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The Piankatank Mesohaline segment (PIAMH) failed the Submerged Aquatic Vegetation acreage requirements.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Clean Sediments
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sediment Resuspension (Clean Sediment)
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Piankatank River Mesohaline Embayments**

TMDL Group ID: **10113**

VAP-C04E_MLF02A98 **Milford Haven** MATHEWS CO

Described in the condemnation notice 037-099E, 4/28/2004.

Size adjusted in 2006, although area did not change

PIAMMH

VA Overall AU Category: **5A**

Use	Impairment	0.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10113	**2006**	**2010**	VAP-C04E-04 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The Piankatank Mesohaline segment (PIAMH) failed the Submerged Aquatic Vegetation acreage requirements.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10113	**2006**	**2010**	VAP-C04E-04 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The Piankatank Mesohaline segment (PIAMH) failed the Submerged Aquatic Vegetation acreage requirements.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Piankatank River Mesohaline Embayments**

TMDL Group ID: **10113**

VAP-C04E_MLF03A00 **Milford Haven** MATHEWS CO Downstream of SFC037-099E, 4/28/2004 except as otherwise segmented.

PIAMH

VA Overall AU Category: **5A**

Use	Impairment	1.43 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10113	**2006**	**2010**	VAP-C04E-04 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The Piankatank Mesohaline segment (PIAMH) failed the Submerged Aquatic Vegetation acreage requirements.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10113	**2006**	**2010**	VAP-C04E-04 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The Piankatank Mesohaline segment (PIAMH) failed the Submerged Aquatic Vegetation acreage requirements.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Piankatank River Mesohaline Embayments**

TMDL Group ID: **10113**

VAP-C04E_MLF04A06	Milford Haven	MATHEWS CO	Hills Bay PIAMH

VA Overall AU Category: **5A**

Use	Impairment	2.28 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10113	**2006**	**2010**	VAP-C04E-04 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The Piankatank Mesohaline segment (PIAMH) failed the Submerged Aquatic Vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10113	**2006**	**2010**	VAP-C04E-04 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The Piankatank Mesohaline segment (PIAMH) failed the Submerged Aquatic Vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Piankatank River Mesohaline Embayments**

TMDL Group ID: **10113**

VAP-C04E_MLF05A06 **Milford Haven** MATHEWS CO Described in VDH-DSS condemnation 037-099M1, 4/28/2004

PIAMH

VA Overall AU Category: **5A**

Use	Impairment	0.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10113	**2006**	**2010**	VAP-C04E-04 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The Piankatank Mesohaline segment (PIAMH) failed the Submerged Aquatic Vegetation acreage requirements.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Clean Sediments
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sediment Resuspension (Clean Sediment)
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10113	**2006**	**2010**	VAP-C04E-04 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The Piankatank Mesohaline segment (PIAMH) failed the Submerged Aquatic Vegetation acreage requirements.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Clean Sediments
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sediment Resuspension (Clean Sediment)
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Piankatank River Mesohaline Embayments**

TMDL Group ID: **10113**

VAP-C04E_MRC01A98	Morris Creek	MATHEWS CO	Tidal limit to approximately rivermile 0.15. PIAMH

VA Overall AU Category: **5A**

Use	Impairment	0.08 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10113	**2006**	**2010**	VAP-C04E-04 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The Piankatank Mesohaline segment (PIAMH) failed the Submerged Aquatic Vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10113	**2006**	**2010**	VAP-C04E-04 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The Piankatank Mesohaline segment (PIAMH) failed the Submerged Aquatic Vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Piankatank River Mesohaline Embayments**

TMDL Group ID: **10113**

VAP-C04E_MRC02A06 **Morris Creek** MATHEWS CO Rivermile 0.15 downstream to end of condemnation 037-061B, 7/15/2004

PIAMH

VA Overall AU Category: **5A**

Use	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10113	**2006**	**2010**	VAP-C04E-04 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The Piankatank Mesohaline segment (PIAMH) failed the Submerged Aquatic Vegetation acreage requirements.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10113	**2006**	**2010**	VAP-C04E-04 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The Piankatank Mesohaline segment (PIAMH) failed the Submerged Aquatic Vegetation acreage requirements.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Piankatank River Mesohaline Embayments**

TMDL Group ID: **10113**

VAP-C04E_QUE01A98 **Queens Creek** MATHEWS CO

Described in the condemnation notice 037-099A, 4/28/2004.

Size reduced in 2006 cycle.

PIAMH

VA Overall AU Category: **5A**

Use	Impairment	0.23 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10113	**2006**	**2010**	VAP-C04E-04 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The Piankatank Mesohaline segment (PIAMH) failed the Submerged Aquatic Vegetation acreage requirements.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10113	**2006**	**2010**	VAP-C04E-04 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The Piankatank Mesohaline segment (PIAMH) failed the Submerged Aquatic Vegetation acreage requirements.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Piankatank River Mesohaline Embayments**

TMDL Group ID: **10113**

VAP-C04E_QUE01B06	Queens Creek	MATHEWS CO	Described in the condemnation notice 037-099B, 4/28/2004. Segment split from VAP-C04E_QUE01A98 in 2006 PIAMH

VA Overall AU Category: **5A**

Use	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10113	**2006**	**2010**	VAP-C04E-04 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The Piankatank Mesohaline segment (PIAMH) failed the Submerged Aquatic Vegetation acreage requirements.
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10113	**2006**	**2010**	VAP-C04E-04 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The Piankatank Mesohaline segment (PIAMH) failed the Submerged Aquatic Vegetation acreage requirements.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Clean Sediments
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sediment Resuspension (Clean Sediment)
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Clean Sediments
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sediment Resuspension (Clean Sediment)
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Piankatank River Mesohaline Embayments**

TMDL Group ID: **10113**

VAP-C04E_QUE02A06 **Queens Creek** MATHEWS CO

Described in the condemnation notice 037-099M2, 4/28/2004.

Segment split from VAP-C04E_QUE01A98 in 2006

PIAMH

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10113	**2006**	**2010**	VAP-C04E-04 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The Piankatank Mesohaline segment (PIAMH) failed the Submerged Aquatic Vegetation acreage requirements.
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10113	**2006**	**2010**	VAP-C04E-04 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The Piankatank Mesohaline segment (PIAMH) failed the Submerged Aquatic Vegetation acreage requirements.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Clean Sediments
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sediment Resuspension (Clean Sediment)
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Clean Sediments
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sediment Resuspension (Clean Sediment)
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Piankatank River Mesohaline Embayments**

TMDL Group ID: **10113**

VAP-C04E_QUE03A06	Queens Creek	MATHEWS CO	Downstream of condemnation areas 099A, B, and M2, 4/28/2004. Segment split from VAP-C04E_QUE01A98 in 2006 PIAMH

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10113	**2006**	**2010**	VAP-C04E-04 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The Piankatank Mesohaline segment (PIAMH) failed the Submerged Aquatic Vegetation acreage requirements.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10113	**2006**	**2010**	VAP-C04E-04 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The Piankatank Mesohaline segment (PIAMH) failed the Submerged Aquatic Vegetation acreage requirements.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Piankatank River Mesohaline Embayments**

TMDL Group ID: **10113**

VAP-C04E_STT01A98	Stutts Creek	MATHEWS CO	Described in the condemnation notice 037-061A, 7/15/2004. Segment shortened in 2006 cycle. PIAMH

VA Overall AU Category: **5A**

Use	Impairment	0.09 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10113	**2006**	**2010**	VAP-C04E-04 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The Piankatank Mesohaline segment (PIAMH) failed the Submerged Aquatic Vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**	10113	**2006**	**2010**	VAP-C04E-04 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The Piankatank Mesohaline segment (PIAMH) failed the Submerged Aquatic Vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Piankatank River Mesohaline Embayments**

TMDL Group ID: **10113**

VAP-C04E_STT01B06 **Stutts Creek (Hole in the Wall)** MATHEWS CO Described in VDH-DSS condemnation 037-061M1, 7/15/2004

PIAMH

VA Overall AU Category: **5A**

Use	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10113	**2006**	**2010**	VAP-C04E-04 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The Piankatank Mesohaline segment (PIAMH) failed the Submerged Aquatic Vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10113	**2006**	**2010**	VAP-C04E-04 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The Piankatank Mesohaline segment (PIAMH) failed the Submerged Aquatic Vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Piankatank River Mesohaline Embayments**

TMDL Group ID: **10113**

VAP-C04E_STT02A00 **Stutts Creek** MATHEWS CO Tidal limits to Fanneys Point, except as otherwise segmented.

PIAMH

VA Overall AU Category: **5A**

Use	Impairment	0.23 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10113	**2006**	**2010**	VAP-C04E-04 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The Piankatank Mesohaline segment (PIAMH) failed the Submerged Aquatic Vegetation acreage requirements.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10113	**2006**	**2010**	VAP-C04E-04 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The Piankatank Mesohaline segment (PIAMH) failed the Submerged Aquatic Vegetation acreage requirements.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Piankatank River Mesohaline Embayments**

TMDL Group ID: **10113**

VAP-C04E_STT03A06 **Stutts Creek** MATHEWS CO Described in VDH-DSS SFC 037-061M2, 7/15/2004

PIAMH

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10113	**2006**	**2010**	VAP-C04E-04 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The Piankatank Mesohaline segment (PIAMH) failed the Submerged Aquatic Vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10113	**2006**	**2010**	VAP-C04E-04 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The Piankatank Mesohaline segment (PIAMH) failed the Submerged Aquatic Vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Piankatank River Mesohaline Embayments**

TMDL Group ID: **10113**

VAP-C04E_STT04A06	Stutts Creek	MATHEWS CO	Described in VDH-DSS SFC 037-061M3, 7/15/2004
			PIAMH

VA Overall AU Category: **5A**

Use	Impairment	0.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10113	**2006**	**2010**	VAP-C04E-04 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The Piankatank Mesohaline segment (PIAMH) failed the Submerged Aquatic Vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10113	**2006**	**2010**	VAP-C04E-04 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The Piankatank Mesohaline segment (PIAMH) failed the Submerged Aquatic Vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Piankatank River Mesohaline Embayments**

TMDL Group ID: **10113**

VAP-C04E_WHA01A06 **Wharf Creek** MATHEWS CO Described in VDH-DSS SFC 036-M87, 4/13/1989

PIAMH

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10113	**2006**	**2010**	VAP-C04E-04 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The Piankatank Mesohaline segment (PIAMH) failed the Submerged Aquatic Vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10113	**2006**	**2010**	VAP-C04E-04 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The Piankatank Mesohaline segment (PIAMH) failed the Submerged Aquatic Vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Piankatank River Mesohaline Embayments**

TMDL Group ID: **10113**

VAP-C04E_ZZZ01A00	Unsegmented estuaries in C04	MATHEWS CO	Unsegmented portion of the watershed within PIAMH

VA Overall AU Category: **5A**

Use	Impairment	2.65 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10113	**2006**	**2010**	VAP-C04E-04 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The Piankatank Mesohaline segment (PIAMH) failed the Submerged Aquatic Vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10113	**2006**	**2010**	VAP-C04E-04 During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The Piankatank Mesohaline segment (PIAMH) failed the Submerged Aquatic Vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Pitts Creek, Unnamed Tributary**

TMDL Group ID: **00419**

VAT-C09R_XAE01A00	Unamed tributary to Pitts Creek	ACCOMACK CO	Located northwest of New Church in Accomack County. Riverine portion of unnamed trib to Pitts Creek.

VA Overall AU Category: **5A**

Use	Impairment	5.96 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		00419	**1998**	**2010**	The Aquatic Life Use is impaired due to low dissolved oxygen (5 violates / 34 obs.; VAT-C09R-01) concentrations, which exceed the minimum criteria (criteria minimum = 4.0 mg/l).

Sources: Source Unknown

TMDL Group ID: **01448**

VAT-C09R_XAE01A00	Unamed tributary to Pitts Creek	ACCOMACK CO	Located northwest of New Church in Accomack County. Riverine portion of unnamed trib to Pitts Creek.

VA Overall AU Category: **5A**

Use	Impairment	5.96 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		01448	**2006**	**2016**	The Recreation Use is impaired (5 violate / 15 obs.) due to exceedance of the instantaneous criteria for Ecoli bacteria.The previous Fecal Coliform indicator bacteria impairment no longer applies, replaced by Ecoli criteria impairment since threshold of 12 observations reached, with TMDL due date same as original FC impairment.

Sources: Source Unknown

TMDL Group ID: **76009**

VAT-C09R_XAE01A00	Unamed tributary to Pitts Creek	ACCOMACK CO	Located northwest of New Church in Accomack County. Riverine portion of unnamed trib to Pitts Creek.

VA Overall AU Category: **5A**

Use	Impairment	5.96 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		76009	**2006**	**2018**	The Aquatic Life Use is impaired due to low pH (5 violates / 34 obs.; VAT-C09R-02) concentrations, which exceed the minimum criteria (minimum = 6.0 SU). Although pH impairment from 1998 303d was delisted in the 2004 IR, more recent data indicates impairment and need to add again to TMDL listing. Need to investigate if natural conditions (leaf litter/organic content) may be the cause of the low pH.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Pocomoke River**

TMDL Group ID: **01229**

VAT-C09E_POC01A06	Pocomoke River	ACCOMACK CO	Located northeast of Pitts Neck area, along VA/MD border. From VA/MD state line downstream to mouth (confluence with Pocomoke Sound) within VA. Portion of CBP segment POCOH. Portion of DSS shellfish direct harvesting condemnation # 075-033.

VA Overall AU Category: **5A**

Use	Impairment	0.21 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01229	**1998**	**2010**	Portion of DSS shellfish condemnation # 075-033.
		Sources: Source Unknown				

TMDL Group ID: **76008**

VAT-C09E_POC01A06	Pocomoke River	ACCOMACK CO	Located northeast of Pitts Neck area, along VA/MD border. From VA/MD state line downstream to mouth (confluence with Pocomoke Sound) within VA. Portion of CBP segment POCOH. Portion of DSS shellfish direct harvesting condemnation # 075-033.

VA Overall AU Category: **5A**

Use	Impairment	0.21 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Enterococcus**		76008	**2006**	**2018**	The Recreation Use is impaired due to exceedance of the instantaneous criteria for Enterococcus (4 violate / 7 obs.) and Fecal Coliform (2 violate / 7 obs.) bacteria.
		Sources: Source Unknown				
Recreation	**Fecal Coliform**		76008	**1998**	**2018**	The Recreation Use is impaired due to exceedance of the instantaneous criteria for Enterococcus (4 violate / 7 obs.) and Fecal Coliform (2 violate / 7 obs.) bacteria.
		Sources: Source Unknown				

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Pocomoke River Embayments**

TMDL Group ID: **76079**

VAT-C09E_BLB01A06 **Bulbeggar Creek** ACCOMACK CO

Located southeast of Pitts Neck area. From estuarine/riverine transition (end of tidal waters) downstream to mouth (confluence with Pocomoke Sound). Portion of CBP segment POCOH. Portion of DSS shellfish condemnation # 075-033.

VA Overall AU Category: **5A**

Use	Impairment	0.12 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		76079	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		76079	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Pocomoke River Embayments**

TMDL Group ID: **76079**

VAT-C09E_POC01A06	Pocomoke River	ACCOMACK CO	Located northeast of Pitts Neck area, along VA/MD border. From VA/MD state line downstream to mouth (confluence with Pocomoke Sound) within VA. Portion of CBP segment POCOH. Portion of DSS shellfish direct harvesting condemnation # 075-033.

VA Overall AU Category: **5A**

Use	Impairment	0.21 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		76079	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		76079	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Pocomoke River Embayments**

TMDL Group ID: **76079**

VAT-C09E_PTT01A06	Pitts Creek	ACCOMACK CO	Located northeast of Pitts Neck area, along VA/MD border. From VA/MD state line downstream to mouth (confluence with Pocomoke River) within VA. Portion of CBP segment POCOH. Portion of DSS shellfish direct harvesting condemnation # 075-033.

VA Overall AU Category: **5A**

Use	Impairment	0.36 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		76079	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		76079	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Pocomoke River Embayments**

TMDL Group ID: **76079**

VAT-C09E_ZZZ01A06	Unsegmented tidal tributaries in C09E-POCOH	ACCOMACK CO	Evaluated non segmented portions of C09E. Portion of CBP segment POCOH. Portion of DSS shellfish direct harvesting condemnation # 075-033.

VA Overall AU Category: **5A**

Use	Impairment (0.02 SQUARE MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	76079	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).
	Sources: Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Non-Point Source) Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)				
Open-Water Aquatic Life	**Oxygen, Dissolved**	76079	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).
	Sources: Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Non-Point Source) Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)				

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Pocomoke River Embayments**

TMDL Group ID: **76079**

VAT-C09E_ZZZ02A06	Unsegmented Pocomoke Sound in POCOH	ACCOMACK CO	Evaluated non segmented portions of C09E. Portion of CBP segment POCOH. Portion of DSS shellfish direct harvesting condemnation # 075-033.

VA Overall AU Category: **5A**

Use	Impairment	0.74 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		76079	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		76079	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Pocomoke River Embayments**

TMDL Group ID: **76079**

VAT-C10E_HLD01A06	Holdens Creek - Upper	ACCOMACK CO	Located southeast of Joeys Neck area. From estuarine/riverine transition (end of tidal waters) downstream to 0.5 mi downstream of station @ 7-HLD002.67. Portion of CBP segment POCOH. Portion of DSS shellfish condemnation # 075-033.

VA Overall AU Category: **5A**

Use	Impairment	0.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		76079	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		76079	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Pocomoke River Embayments**

TMDL Group ID: **76079**

VAT-C10E_HLD02A06	Holdens Creek - Lower	ACCOMACK CO	Located southeast of Joeys Neck area. From 0.5 mi downstream of station @ 7-HLD002.67 downstream to mouth. Portion of CBP segment POCOH. Portion of DSS shellfish condemnation # 075-033.

VA Overall AU Category: **5A**

Use	Impairment (0.05 SQUARE MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	76079	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).
	Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Non-Point Source) Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**	76079	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).
	Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Non-Point Source) Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Pocomoke River Embayments**

TMDL Group ID: **76079**

VAT-C10E_ZZZ04A06	Unsegmented embayments in C10E-POCOH	ACCOMACK CO	Evaluated non segmented portions of C10E. Portion of CBP segment POCOH. Portion of DSS shellfish direct harvesting condemnation # 075-033.

VA Overall AU Category: **5A**

Use	Impairment	1.22 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		76079	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		76079	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Pocomoke River Embayments**

TMDL Group ID: **76079**

VAT-C10E_ZZZ04B06	Unsegmented embayments in C10E-POCOH	ACCOMACK CO	Evaluated non segmented portions of C10E. Portion of CBP segment POCOH. No DSS shellfish direct harvesting condemnation.

VA Overall AU Category: **5A**

Use	Impairment	0.21 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		76079	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Use	Impairment	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Open-Water Aquatic Life	**Oxygen, Dissolved**	76079	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Pocomoke River Embayments**

TMDL Group ID: **76079**

VAT-C10E_ZZZ04C06	Unsegmented tributaries in C10E-POCOH	ACCOMACK CO	Evaluated non segmented portions of C10E. Portion of CBP segment POCOH. Portion of DSS shellfish direct harvesting condemnation # 075-033.

VA Overall AU Category: **5A**

Use	Impairment (0.00 SQUARE MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	76079	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Use	Impairment	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Open-Water Aquatic Life	**Oxygen, Dissolved**	76079	**2006**	**2010**	The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Pocomoke River Mesohaline Embayments**

TMDL Group ID: **76080**

VAT-C10E_BAG01A00	Bagwell Creek	ACCOMACK CO	Northwest of Town of Justisville. Entirety of creek. Portion of CBP segment POCMH. DSS shellfish direct harvesting condemnation # 077-138 C.

VA Overall AU Category: **5A**

Use	Impairment	0.19 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76080	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76080	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Pocomoke River Mesohaline Embayments**

TMDL Group ID: **76080**

VAT-C10E_GLF01A06	Guilford Creek - Upper	ACCOMACK CO	Northeast of Town of Guilford. Upper portion of creek, from end of tidal waters downstream to end of DSS condemnation. Portion of CBP segment POCMH. DSS shellfish condemnation # 076-176 B.

VA Overall AU Category: **5A**

Use	Impairment	0.15 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76080	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76080	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Pocomoke River Mesohaline Embayments**

TMDL Group ID: **76080**

VAT-C10E_GLF02A06	Guilford Creek - Lower	ACCOMACK CO	Northeast of Town of Guilford. Lower portion of creek, from end of DSS condemnation downstream to mouth. Portion of CBP segment POCMH. DSS (OPEN) shellfish direct harvesting condemnation # 076-176 B.

VA Overall AU Category: **5A**

Use	Impairment	0.59 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76080	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76080	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Pocomoke River Mesohaline Embayments**

TMDL Group ID: **76080**

VAT-C10E_GSH01A06	Guard Shore Beach	ACCOMACK CO	In Old Cove (Beasley Bay). Located at Bailey Ridge, West of Bloxom. Portion of CBP segment POCMH. No DSS shellfish direct harvesting condemnation.

VA Overall AU Category: **5A**

Use	Impairment	0.00 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76080	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76080	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Pocomoke River Mesohaline Embayments**

TMDL Group ID: **76080**

VAT-C10E_HUN01A00	Hunting Creek - Upper	ACCOMACK CO	West of Town of Hopkins. Upper portion of creek, from headwaters downstream to end of DSS condemnation. Portion of CBP segment POCMH. DSS condemnation # 077-138 B.

VA Overall AU Category: **5A**

Use	Impairment (0.19 SQUARE MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**	76080	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**	76080	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Pocomoke River Mesohaline Embayments**

TMDL Group ID: **76080**

VAT-C10E_HUN02A06	Hunting Creek - Lower	ACCOMACK CO	West of Town of Hopkins. Lower portion of creek, from end of DSS condemnation downstream to mouth. Portion of CBP segment POCMH. DSS (OPEN) shellfish direct harvesting condemnation # 077-138.

VA Overall AU Category: **5A**

Use	Impairment	0.69 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76080	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76080	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Pocomoke River Mesohaline Embayments**

TMDL Group ID: **76080**

VAT-C10E_MES01A06	Messongo Creek - Upper	ACCOMACK CO	Located southeast of Saxis. From end of tidal waters downstream to 0.4 mi downstream of Rt 690 crossing. Portion of CBP segment POCMH. Upstream portion of DSS shellfish direct harvesting condemnation # 076-167 A.

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76080	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76080	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Pocomoke River Mesohaline Embayments**

TMDL Group ID: **76080**

VAT-C10E_MES02A06	Messongo Creek - Middle	ACCOMACK CO	Located southeast of Saxis. From 0.4 mi downstream of Rt 690 crossing, downstream to end of DSS condemnation near Town of Belinda. Portion of CBP segment POCMH. Downstream portion of DSS shellfish direct harvesting condemnation # 076-167 A.

VA Overall AU Category: **5A**

Use	Impairment	0.27 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76080	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76080	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Pocomoke River Mesohaline Embayments**

TMDL Group ID: **76080**

VAT-C10E_MES03A06	Messongo Creek - Lower	ACCOMACK CO	Located southeast of Saxis. From end of DSS condemnation near Town of Belinda downstream to the mouth. Portion of CBP segment POCMH. No DSS shellfish direct harvesting condemnation.

VA Overall AU Category: **5A**

Use	Impairment	0.94 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76080	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76080	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Pocomoke River Mesohaline Embayments**

TMDL Group ID: **76080**

VAT-C10E_MUD01A04	Muddy Creek - Upper	ACCOMACK CO	Located Southeast of Bryds Marsh and northeast of Town of Bloxom on Eastern Shore. Portion of CBP segment POCMH. DSS shellfish direct harvesting condemnation # 076-176 A.

VA Overall AU Category: **5A**

Use	Impairment	0.34 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76080	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76080	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Pocomoke River Mesohaline Embayments**

TMDL Group ID: **76080**

VAT-C10E_MUD02A06	Muddy Creek - Lower	ACCOMACK CO	Located Southeast of Bryds Marsh and northeast of Town of Bloxom. Lower portion of creek, from end of DSS condemnation downstream to mouth. Portion of CBP segment POCMH. No DSS shellfish direct harvesting condemnation.

VA Overall AU Category: **5A**

Use	Impairment	0.32 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76080	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76080	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Pocomoke River Mesohaline Embayments**

TMDL Group ID: **76080**

VAT-C10E_STR01A06	Starling Creek - Upper	ACCOMACK CO	Northwest shore of Saxis Island area. Upper portion of creek, from end of tidal waters downstream to end of DSS condemnation. Portion of CBP segment POCMH. DSS shellfish condemnation # 075-118 A.

VA Overall AU Category: **5A**

Use	Impairment	0.08 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76080	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76080	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Pocomoke River Mesohaline Embayments**

TMDL Group ID: **76080**

VAT-C10E_STR02A06	Starling Creek - Lower	ACCOMACK CO	Located on Saxis Island, southwest of Pocomoke Sound. Embayment at town of Saxis. Lower portion of creek, from end of DSS condemnation downstream to mouth. Portion of CBP segment POCMH. No DSS shellfish direct harvesting condemnation.

VA Overall AU Category: **5A**

Use	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76080	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76080	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Pocomoke River Mesohaline Embayments**

TMDL Group ID: **76080**

VAT-C10E_YOU01A06	Young Creek - Upper	ACCOMACK CO	Northeast of Town of Guilford. Upper portion of creek, from end of tidal waters downstream to end of DSS condemnation. Portion of CBP segment POCMH. DSS shellfish condemnation # 076-176 C.

VA Overall AU Category: **5A**

Use	Impairment (0.13 SQUARE MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**	76080	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**	76080	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Pocomoke River Mesohaline Embayments**

TMDL Group ID: **76080**

VAT-C10E_YOU02A06	Young Creek - Lower	ACCOMACK CO	Northeast of Town of Guilford. Lower portion of creek, from end of DSS condemnation downstream to mouth. Portion of CBP segment POCMH. DSS (OPEN) shellfish direct harvesting condemnation # 076-176 C.

VA Overall AU Category: **5A**

Use	Impairment	0.08 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76080	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76080	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Pocomoke River Mesohaline Embayments**

TMDL Group ID: **76080**

VAT-C10E_ZZZ02A06	Unsegmented estuaries in C10E-POCMH.	ACCOMACK CO	Evaluated non segmented portions of C10E not contained within VACB-R01E-CB7S. Portion of CBP segment POCMH. No DSS shellfish direct harvesting condemnations.

VA Overall AU Category: **5A**

Use	Impairment	3.22 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		76080	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		76080	**2006**	**2010**	The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Poquoson River, Unnamed Cove (UT Patricks Creek)**

TMDL Group ID: **01805**

VAT-C07E_POQ02B04	Unnamed Cove - Poquoson River	YORK CO	North shore trib to Poquoson R. east of Piney Point Estates. DSS shellfish condemnation # 053-137B. CBP Segment MOBPH.

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01805	**2006**	**2010**	DSS shellfish condemnation # 053-137D. Including Moores & Quarter March Creeks.

Sources: Source Unknown

TMDL Watershed Name: **Poquoson River, Upper**

TMDL Group ID: **00416**

VAT-C07E_POQ01A06	Poquoson River - Upper	YORK CO	From Rt 17 crossing @ reservoir dam (RM 5.7) downstream to point downstream of confluence of Quarter March Creek (RM 2.7) @ Calthrop Neck, DSS shellfish condemnation # 053-137D. Including Moores & Quarter March Creeks. CBP Segment MOBPH.

VA Overall AU Category: **5A**

Use	Impairment	0.40 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Enterococcus**		00416	**2006**	**2010**	Recreation Use impaired due to Enterococcus concentrations (10 violates / 13 obs.) exceeding the swimming indicator criteria (the previous Fecal Coliform indicator bacteria impairment no longer applies, replaced by Enterococcus criteria impairment, with the same TMDL due date as the FC impairment, since the threshold of 12 observations has been reached).

Sources: Source Unknown

TMDL Group ID: **01806**

VAT-C07E_POQ01A06	Poquoson River - Upper	YORK CO	From Rt 17 crossing @ reservoir dam (RM 5.7) downstream to point downstream of confluence of Quarter March Creek (RM 2.7) @ Calthrop Neck, DSS shellfish condemnation # 053-137D. Including Moores & Quarter March Creeks. CBP Segment MOBPH.

VA Overall AU Category: **5A**

Use	Impairment	0.40 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01806	**2006**	**2010**	DSS shellfish condemnation # 053-137D. Including Moores & Quarter March Creeks.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Powells Bay**

TMDL Group ID: **76016**

VAT-D01E_PWB01A06	Powells Bay	ACCOMACK CO	NW of Wallops Island, between Watts and Bogues Bays. No DSS condemnation.

VA Overall AU Category: **5A**

Use	Impairment	0.57 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Enterococcus**		76016	**2006**	**2018**	The Recreatiion Use is impaired due to exceedance of the criteria for Enterococci bacteria (2 violates / 9 obs.).

Sources: Source Unknown

TMDL Watershed Name: **Prentice Creek (22C)**

TMDL Group ID: **00969**

VAP-C01E_PNT01A02	Prentice Creek	NORTHUMBERLAND CO	Described in the condemnation notice 015-022D, 4/25/2003. CB5MH.

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		00969	**1998**	**2010**	00969 (SF) VAP-C01E-19 VDH-DSS Shellfish Condemnation Notice 015-022D, 4/25/2003.

Sources: Source Unknown

TMDL Watershed Name: **Prentice Creek (22D)**

TMDL Group ID: **00233**

VAP-C01E_PNT03A02	Prentice Creek	NORTHUMBERLAND CO	Described in the condemnation notice 015-022E, 4/25/2003. CB5MH.

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		00233	**1998**	**2010**	00233 (SF) VAP-C01E-09 VDH-DSS Shellfish Condemnation Notice 015-022E, 4/25/2003.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Pungoteague Creek and tributaries**

TMDL Group ID: **76013**

VAT-C12E_PUN01A06 **Pungoteague Creek - Upper** ACCOMACK CO

Located west of Town of Melfa. Upper portion of Pungoteague Cr. from headwaters to confluence with Taylor Creek (RM 2.4), and lower portion of Warehouse Prong. Portion of CBP segment CB7PH. Portion of DSS shellfish condemnation # 081-119 B.

VA Overall AU Category: **5A**

Use	Impairment	0.29 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Enterococcus**		76013	**2006**	**2018**	The Recreation Use is impaired based on exceedance of the Enterococcus bacteria criteria (2 violates / 15 obs.). The Widlife and Recreation Use assessemnt is based on data from the downstream station @ 7-PUN002.12.

Sources: Source Unknown

VAT-C12E_PUN02A06 **Pungoteague Creek - Lower** ACCOMACK CO

Located west of Town of Melfa. Lower portion of Pungoteague Cr. from confluence with Taylor Creek (RM 2.4) downstream to mouth. Portion of CBP segment CB7PH. OPEN DSS shellfish direct harvesting condemnation # 081-119.

VA Overall AU Category: **5A**

Use	Impairment	1.35 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Enterococcus**		76013	**2006**	**2018**	The Recreation Use is impaired based on exceedance of the Enterococcus bacteria criteria (2 violates / 15 obs.). The Widlife and Recreation Use assessemnt is based on data from the downstream station @ 7-PUN002.12.

Sources: Source Unknown

VAT-C12E_TAY01A06 **Taylor Creek** ACCOMACK CO

Located southwest of Harborton. From headwaters to confluence with Pungoteague Cr. Portion of CBP segment CB7PH. Portion of DSS shellfish condemnation # 081-119 C.

VA Overall AU Category: **5A**

Use	Impairment	0.16 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Enterococcus**		76013	**2006**	**2018**	The Recreation Use is impaired based on exceedance of the Enterococcus bacteria criteria (2 violates / 15 obs.). The Widlife and Recreation Use assessemnt is based on data from the downstream station @ 7-PUN002.12.

Sources: Source Unknown

VAT-C12E_WRP01A06 **Warehouse Prong - Upper** ACCOMACK CO

Located north of Bobtown and east of Boggs Wharf. Upper portion, from headwaters to confluence with UT. Portion of CBP segment CB7PH. DSS (ADMINISTRATIVE) shellfish condemnation # 081-119D.

VA Overall AU Category: **5A**

Use	Impairment	0.04 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Enterococcus**		76013	**2006**	**2018**	The Recreation Use is impaired based on exceedance of the Enterococcus bacteria criteria (2 violates / 15 obs.). The Widlife and Recreation Use assessemnt is based on data from the downstream station @ 7-PUN002.12.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Pungoteague Creek and tributaries**

TMDL Group ID: **76013**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAT-C12E_WRP02A06	**Warehouse Prong - Lower**	ACCOMACK CO	Located north of Bobtown and east of Boggs Wharf. Lower portion, from confluence with UT downstream to confluence with Pungoteague Cr. Portion of CBP segment CB7PH. Portion of DSS shellfish condemnation # 081-119 B.

VA Overall AU Category: **5A**

Use	Impairment	0.05 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Enterococcus**		76013	**2006**	**2018**	The Recreation Use is impaired based on exceedance of the Enterococcus bacteria criteria (2 violates / 15 obs.). The Widlife and Recreation Use assessemnt is based on data from the downstream station @ 7-PUN002.12.

Sources: Source Unknown

TMDL Watershed Name: **Pungoteague Creek, Upper**

TMDL Group ID: **00303**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAT-C12E_PUN01A06	**Pungoteague Creek - Upper**	ACCOMACK CO	Located west of Town of Melfa. Upper portion of Pungoteague Cr. from headwaters to confluence with Taylor Creek (RM 2.4), and lower portion of Warehouse Prong. Portion of CBP segment CB7PH. Portion of DSS shellfish condemnation # 081-119 B.

VA Overall AU Category: **5A**

Use	Impairment	0.29 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		00303	**1998**	**2010**	DSS shellfish condemnation # 081-119 B. The Recreation Use is impaired based on exceedance of the Enterococcus bacteria criteria (2 violates / 15 obs.). The Widlife and Recreation Use assessemnt is based on data from the downstream station @ 7-PUN002.12.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAT-C12E_WRP02A06	**Warehouse Prong - Lower**	ACCOMACK CO	Located north of Bobtown and east of Boggs Wharf. Lower portion, from confluence with UT downstream to confluence with Pungoteague Cr. Portion of CBP segment CB7PH. Portion of DSS shellfish condemnation # 081-119 B.

VA Overall AU Category: **5A**

Use	Impairment	0.05 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		00303	**1998**	**2010**	DSS shellfish condemnation # 081-119 B. The Recreation Use is impaired based on exceedance of the Enterococcus bacteria criteria (2 violates / 15 obs.). The Widlife and Recreation Use assessemnt is based on data from the downstream station @ 7-PUN002.12.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Put In Creek**

TMDL Group ID: **01014**

VAP-C04E_PUT01A98	**Put In Creek**	MATHEWS CO	Described in the condemnation notice 041-005A, 9/15/2004. Size adjusted in 2006 cycle, although area did not change. MOBPH

VA Overall AU Category: **5A**

Use	Impairment	0.13 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01014	**1998**	**2010**	VAP-C04E-14 VDH-DSS SFC Number 041-005A, 9/15/2004

Sources: Source Unknown

TMDL Watershed Name: **Queens Creek**

TMDL Group ID: **01015**

VAP-C04E_QUE01A98	**Queens Creek**	MATHEWS CO	Described in the condemnation notice 037-099A, 4/28/2004. Size reduced in 2006 cycle. PIAMH

VA Overall AU Category: **5A**

Use	Impairment	0.23 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01015	**1998**	**2010**	VAP-C04E-01 VDH-DSS SFC Number 037-099A, 4/28/2004 The segment was assessed as impaired in 2004 based on VDH-DSS Shellfish Condemnation 099A, 2/1/2001. During the 2006 cycle, the SFC was reissued on 4/28/2004 and the closed area was shortened and split into two portions (A - 0.23 mi2 and B - 0.02 mi2) which remain closed.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Queens Creek**

TMDL Group ID: **01015**

VAP-C04E_QUE01B06	Queens Creek	MATHEWS CO	Described in the condemnation notice 037-099B, 4/28/2004. Segment split from VAP-C04E_QUE01A98 in 2006 PIAMH

VA Overall AU Category: **5A**

Use	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01015	**1998**	**2010**	VAP-C04E-01 VDH-DSS SFC Number 037-099B, 4/28/2004 The segment was assessed as impaired in 2004 based on VDH-DSS Shellfish Condemnation 099A, 2/1/2001. During the 2006 cycle, the SFC was reissued on 4/28/2004 and the closed area was shortened and split into two portions (A - 0.23 mi2 and B - 0.02 mi2) which remain closed.

Sources: Source Unknown

TMDL Watershed Name: **Quinby Harbor - Upshur Bay**

TMDL Group ID: **76024**

VAT-D04E_UPS01A06	Quinby Harbor-Upshur Bay	ACCOMACK CO	Located east of Quinby. Segment around area at mouth of Quinby Harbor. DSS shellfish seasonal condemnation # 096-218.

VA Overall AU Category: **5A**

Use	Impairment	0.06 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		76024	**2006**	**2018**	The Aquatic Life use is impaired due to dissolved oxygen concentrations (2 violates / 9 obs.) below the criteria minimum (4.0 mg/l). This assessment unit is added for 2006 IR TMDL ID VAT-D04E-03.

Sources: Source Unknown

TMDL Watershed Name: **Red Bank Creek**

TMDL Group ID: **01467**

VAT-D04R_RBC01A04	Red Bank Creek	NORTHAMPTON CO	Southeast of Marionville. Segment from headwaters downstream to end of tidal waters.

VA Overall AU Category: **5A**

Use	Impairment	1.22 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		01467	**2004**	**2016**	The Recreatiion Use is impaired due to exceedance (2 violates / 3 obs.) of the instaneous criteria for fecal coliform.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Red Bank Creek**

TMDL Group ID: **76025**

VAT-D04E_RBC01A04 **Red Bank Creek - Upper** NORTHAMPTON CO

Tributary to Hog Island Bay. Southeast of Marionville, near Brick House Neck. Segment from end of tidal waters downstream to confluence of UT (XDF). DSS shellfish condemnation # 095-192.

VA Overall AU Category: **5A**

Use	Impairment	0.00 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		76025	**2006**	**2018**	DSS shellfish condemnation # 095-192. Effective 2004-12-17. Added 2006 IR.

Sources: Source Unknown

VAT-D04E_RBC02A06 **Red Bank Creek - Middle** NORTHAMPTON CO

Tributary to Hog Island Bay. Southeast of Marionville, near Brick House Neck. Segment from UT (XDF) confluence downstream to end of DSS shellfish condemnation # 095-192.

VA Overall AU Category: **5B**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		76025	**2006**	**2018**	DSS shellfish condemnation # 095-192. Effective 2004-12-17. Added 2006 IR.

Sources: Source Unknown

TMDL Watershed Name: **Red Bank Creek, Unnamed Tributary**

TMDL Group ID: **01466**

VAT-D04E_XDF01A04 **Unnamed tributary to Red Bank Creek.** NORTHAMPTON CO

Tributary to Red Bank Creek. Southeast of Marionville, near Brick House Neck. Segment from first branching of creek (RM 0.3) downstream to confluence with Red Bank Creek. DSS shellfish harvesting condemnation # 095-192.

VA Overall AU Category: **5A**

Use	Impairment	0.10 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01466	**2004**	**2016**	The Aquatic Life use is impaired due to dissolved oxygen concentrations (2 violates / 5 obs.) below the criteria minimum (4.0 mg/l).

Sources: Source Unknown

TMDL Group ID: **76026**

VAT-D04E_XDF01A04 **Unnamed tributary to Red Bank Creek.** NORTHAMPTON CO

Tributary to Red Bank Creek. Southeast of Marionville, near Brick House Neck. Segment from first branching of creek (RM 0.3) downstream to confluence with Red Bank Creek. DSS shellfish harvesting condemnation # 095-192.

VA Overall AU Category: **5A**

Use	Impairment	0.10 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		76026	**2006**	**2018**	The Shellfishing Use is impaired due to the DSS shellfish harvesting condemnation # 095-192. Effective 2004-12-17. Added for 2006 IR.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Red Bank Creek, Upper**

TMDL Group ID: **01465**

VAT-D04E_RBC01A04	Red Bank Creek - Upper	NORTHAMPTON CO	Tributary to Hog Island Bay. Southeast of Marionville, near Brick House Neck. Segment from end of tidal waters downstream to confluence of UT (XDF). DSS shellfish condemnation # 095-192.

VA Overall AU Category: **5A**

Use	Impairment	0.00 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01465	**2004**	**2016**	The Aquatic Life use is impaired (2 violates / 5 obs.) due to dissolved oxygen concentrations below the criteria minimum (4.0 mg/l).

Sources: Source Unknown

TMDL Watershed Name: **Roberts Creek - Poquoson River**

TMDL Group ID: **01748**

VAT-C07E_ROB01A04	Roberts Creek - Poquoson River	POQUOSON CITY CITY	South shore trib to Poquoson R. South of Dare area. DSS Shellfish condemnation # 053-137 F. CBP Segment MOBPH.

VA Overall AU Category: **5A**

Use	Impairment	0.11 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01748	**2006**	**2010**	DSS Shellfish condemnation # 053-137 F.

Sources: Source Unknown

TMDL Watershed Name: **Ross Branch**

TMDL Group ID: **01463**

VAT-D03R_RSS01A02	Ross Branch	ACCOMACK CO	Tributary to Folly Creek. Riverine section of Ross Branch, segment begins at headwaters extending downstream to start of tidal waters. Located south of Accomac.

VA Overall AU Category: **5A**

Use	Impairment	3.08 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		01463	**2002**	**2014**	DEQ Streams Benthic-Macroinvertebrate Bioassessments using Regional Reference method. The Aquatic Life Use is impaired due to impacts to the stream's benthic population. Benthic population impacts were recorded at the following sample events: 7-RSS001.40 - moderately impaired [MI:S-'00,F-'00,S-'02,F-'02].

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Sandy Bottom Branch**

TMDL Group ID: **00423**

VAT-C10R_SBB01A00	Sandy Bottom Branch	ACCOMACK CO	Located southwest of Makemie Park area. Entire Sandy Bottom Branch downstream to confluence with Holdens Creek.

VA Overall AU Category: **5A**

Use	Impairment (1.24 MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**	00423	**2004**	**2010**	The Aquatic Life Use is impaired due to impacts to the stream's benthic population and exceedance of the freshwater acute criteria for copper. Assessment is based on biological benthic monitoring noting SI (F-'00,S-'01,F-'01,S-'02,F-'02] at DEQ (BIO) station @ 7-SBB000.17. impairment not proposed for delisting since biological results have not provided a Full Support rating.

Sources: Source Unknown

TMDL Group ID: **00424**

VAT-C10R_SBB01A00	Sandy Bottom Branch	ACCOMACK CO	Located southwest of Makemie Park area. Entire Sandy Bottom Branch downstream to confluence with Holdens Creek.

VA Overall AU Category: **5A**

Use	Impairment (1.24 MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	00424	**2006**	**2016**	The Recreatiion Use is impaired due to exceedance of the criteria for Ecoli bacteria (4 violates / 16 obs.). The previous Fecal Coliform indicator bacteria impairment no longer applies, replaced by Ecoli criteria impairment since threshold of 12 observations reached, with TMDL due date same as original FC impairment.

Sources: Source Unknown

TMDL Group ID: **01301**

VAT-C10R_SBB01A00	Sandy Bottom Branch	ACCOMACK CO	Located southwest of Makemie Park area. Entire Sandy Bottom Branch downstream to confluence with Holdens Creek.

VA Overall AU Category: **5A**

Use	Impairment (1.24 MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Copper**	01301	**2002**	**2010**	The Aquatic Life Use is impaired due to impacts to the stream's benthic population and exceedance of the freshwater acute criteria for copper. Freshwater acute criteria for copper exceeded in monitoring @ 7-SBB000.17 (2 violates / 5 obs., during 2000 & 2001).

Sources: Industrial Point Source Discharge
Source Unknown

Use	Impairment	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Wildlife	**Copper**	01301	**2002**	**2010**	The Wildlife Use is impaired due to exceedance of the freshwater acute criteria for copper. Freshwater acute criteria for copper exceeded in monitoring @ 7-SBB000.17 (2 violates / 5 obs., during 2000 & 2001).

Sources: Industrial Point Source Discharge
Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Sandy Bottom Branch, Unnamed Tributary**

TMDL Group ID: **00425**

VAT-C10R_XAZ01A00	Unnamed trib to Sandy Bottom Branch	ACCOMACK CO	Located south of Makemie Park area. Portion of unnamed trib. originating at outfall 001 of VPDES VA0004049 downstream to confluence with Sandy Bottom Branch (@ Rt 693 crossing).

VA Overall AU Category: **5A**

Use	Impairment	1.65 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		00425	**2004**	**2010**	The Recreatiion Use impairment previously reported is retained because monitoring for the current data cycle exhibits Observed Effects based on insufficient exceedances of the criteria for Fecal Coliform bacteria in a small dataset (1 violates / 9 obs.), and are insufficent to confirm improvement. Although nine observations for Fecal Coliform bacteria are reported during this data period, results do not confirm a reduction in bacteria levels (1 violates / 9 obs.), and there are insufficient number of obs. for Ecoli (0 violates / 4 obs.) to replace the previous Fecal Coliform bacteria criteria. The previous impairment assessment (indicating elevated levels of Fecal Coliform bacteria for the 1996 303d report) is retained resulting in an impaired assessment. Assessment is retained until sufficient data for re-evaluation is acquired.

Sources: Source Unknown

TMDL Group ID: **00426**

VAT-C10R_XAZ01A00	Unnamed trib to Sandy Bottom Branch	ACCOMACK CO	Located south of Makemie Park area. Portion of unnamed trib. originating at outfall 001 of VPDES VA0004049 downstream to confluence with Sandy Bottom Branch (@ Rt 693 crossing).

VA Overall AU Category: **5A**

Use	Impairment	1.65 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		00426	**1996**	**2010**	The Aquatic Life Use is impaired due to impacts to the stream's benthic population and exceedance of the freshwater acute criteria for copper. Assessment is based on biological benthic monitoring noting MI (F-'01,S-'02,F-'02] at DEQ (BIO) station @ 7-SBB000.17.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Severn River, Northwest Branch**

TMDL Group ID: **01024**

VAP-C06E_SEN01A02	Northwest Branch Severn River	GLOUCESTER CO	Described in the condemnation notice 044-093A, 4/16/2004. Size reduced in 2006 cycle. MOBPH

VA Overall AU Category: **5A**

Use	Impairment	0.33 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01024	**1998**	**2010**	VAP-C06E-01 VDH-DSS Shellfish Condemnation 044-093A, 4/16/2004 During the 2004 cycle, this segment was reduced in the 4/16/2004 condemnation.
		Sources: Source Unknown				

TMDL Group ID: **01027**

VAP-C06R_SEN01A00	Northwest Branch Severn River	GLOUCESTER CO	From its headwaters to the extent of tide.

VA Overall AU Category: **5A**

Use	Impairment	3.10 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Chloride**		01027	**2004**	**2016**	
		Sources: Source Unknown				
Wildlife	**Chloride**		01027	**2004**	**2016**	
		Sources: Source Unknown				

TMDL Group ID: **01036**

VAP-C06R_SEN01A00	Northwest Branch Severn River	GLOUCESTER CO	From its headwaters to the extent of tide.

VA Overall AU Category: **5A**

Use	Impairment	3.10 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		01036	**2002**	**2014**	
		Sources: Source Unknown				

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Starling Creek - Upper**

TMDL Group ID: **01236**

VAT-C10E_STR01A06	Starling Creek - Upper	ACCOMACK CO	Northwest shore of Saxis Island area. Upper portion of creek, from end of tidal waters downstream to end of DSS condemnation. Portion of CBP segment POCMH. DSS shellfish condemnation # 075-118 A.

VA Overall AU Category: **5A**

Use	Impairment	0.08 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01236	**1998**	**2010**	DSS shellfish condemnation # 075-118 A.

Sources: Source Unknown

TMDL Watershed Name: **Stutts Creek**

TMDL Group ID: **01016**

VAP-C04E_STT01A98	Stutts Creek	MATHEWS CO	Described in the condemnation notice 037-061A, 7/15/2004. Segment shortened in 2006 cycle. PIAMH

VA Overall AU Category: **5A**

Use	Impairment	0.09 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01016	**1998**	**2010**	VAP-C04E-05 VDH-DSS Shellfish Condemnation 037-061A, 7/15/2004. Size reduced in 2006 cycle.

Sources: Source Unknown

TMDL Watershed Name: **Swan Gut Creek**

TMDL Group ID: **01249**

VAT-D01E_SGT01A04	Swan Gut Creek	ACCOMACK CO	From Virginia/Maryland state line downstream to mouth (confluence with Chincoteague Bay). DSS comdemnation # 100-097.

VA Overall AU Category: **5A**

Use	Impairment	0.13 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01249	**2004**	**2010**	

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Swan Gut Creek**

TMDL Group ID: **01456**

VAT-D01E_SGT01A04	**Swan Gut Creek**	ACCOMACK CO	From Virginia/Maryland state line downstream to mouth (confluence with Chincoteague Bay). DSS comdemnation # 100-097.

VA Overall AU Category: **5A**

Use	Impairment	0.13 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01456	**2004**	**2016**	The Aquatic Life use is impaired due to dissolved oxygen concentrations (3 violates / 15 obs.) below the criteria minimum.

Sources: Source Unknown

TMDL Group ID: **76017**

VAT-D01E_SGT01A04	**Swan Gut Creek**	ACCOMACK CO	From Virginia/Maryland state line downstream to mouth (confluence with Chincoteague Bay). DSS comdemnation # 100-097.

VA Overall AU Category: **5A**

Use	Impairment	0.13 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Enterococcus**		76017	**2006**	**2018**	Exceeding criteria (2 violates / 3 obs.) for Enterococcus bacteria.

Sources: Source Unknown

TMDL Watershed Name: **Tabbs Creek**

TMDL Group ID: **00971**

VAP-C01E_TBS01A98	**Tabbs Creek**	LANCASTER CO	Described in the condemnation notice 016-133, 12/6/2002. Size reduced in 2004 cycle. CB5MH

VA Overall AU Category: **5A**

Use	Impairment	0.07 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		00971	**1998**	**2010**	VAP-C01E-27 VDH-DSS Shellfish Condemnation Notice 133, 12/6/2002

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Tabbs Creek**

TMDL Group ID: **01218**

VAT-C07E_TBC01A04	Tabbs Creek - Back River	POQUOSON CITY CITY	Tributary to Northwest Branch Back River. Portion of DSS shellfish condemnation # 054-021D. CBP segment MOBPH.

VA Overall AU Category: **5A**

Use	Impairment	0.07 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01218	**2006**	**2010**	Portion of DSS shellfish condemnation # 054-021D.

Sources: Source Unknown

TMDL Watershed Name: **Taylor Creek**

TMDL Group ID: **01451**

VAT-C12R_TAY01A04	Taylor Creek	ACCOMACK CO	Located east of Town of Pungoteague. From point where stream forks downstream to confluence of UT below Rt 178.

VA Overall AU Category: **5A**

Use	Impairment	0.85 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		01451	**2004**	**2016**	The Aquatic Life Use is impaired due to impacts to the stream's benthic population. Assessment is based on biological benthic monitoring noting MI (F-'01,S-'02,F-'02] at DEQ (BIO) station @ 7-TAY003.11.

Sources: Source Unknown

TMDL Group ID: **01469**

VAT-D05R_TAL01A02	Taylor Creek	NORTHAMPTON CO	Located northeast of Simpkins. Segment from Penn Central RR crossing downstream to impoundment 0.1 mi. downstream of station.

VA Overall AU Category: **5A**

Use	Impairment	1.75 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		01469	**2002**	**2014**	The Recreatiion Use is impaired due to exceedance of the criteria (9 violates / 22 obs.) for Fecal Coliform bacteria. No data for Ecoli in 2006 IR data window.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Taylor Creek**

TMDL Group ID: **01783**

VAT-C12E_TAY01A06	Taylor Creek	ACCOMACK CO	Located southwest of Harborton. From headwaters to confluence with Pungoteague Cr. Portion of CBP segment CB7PH. Portion of DSS shellfish condemnation # 081-119 C.

VA Overall AU Category: **5A**

Use	Impairment	0.16 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01783	**1998**	**2010**	DSS shellfish condemnation # 081-119 C. The Recreation Use is impaired based on exceedance of the Enterococcus bacteria criteria (2 violates / 15 obs.). The Widlife and Recreation Use assessemnt is based on data from the downstream station @ 7-PUN002.12.

Sources: Source Unknown

TMDL Group ID: **76015**

VAT-C12R_TAY01A04	Taylor Creek	ACCOMACK CO	Located east of Town of Pungoteague. From point where stream forks downstream to confluence of UT below Rt 178.

VA Overall AU Category: **5A**

Use	Impairment	0.85 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		76015	**2006**	**2018**	The Recreatiion Use is impaired due to exceedance of the criteria for Ecoli bacteria (2 violates / 10 obs.) and exhibits Observed Effects due to insufficient exceedances within a small dataset (1 violate / 7 obs) for the Ecoli bactreia criteria..

Sources: Source Unknown

TMDL Watershed Name: **Thalia Creek**

TMDL Group ID: **00417**

VAT-C08E_THA01A02	Thalia Creek/Thurston Branch	VIRGINIA BEACH CITY	Beginning of Thalia Creek (includes Thurston Branch) from headwaters downstream to Western Br. Lynnhaven R. Portion of CBP segment LYNPH. Portion of DSS shellfish direct harvesting condemnation #071-025 A (balance in VAT-C08E_EBL01A00, _LYN01A00).

VA Overall AU Category: **5D**

Use	Impairment	0.16 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Enterococcus**		00417	**2006**	**2010**	The Recreation Use is impaired due to exceedances (14 violates / 15 obs.) of the criteria for Enterococcus bacteria. The previous Fecal Coliform indicator bacteria impairment no longer applies, replaced by Enterococcus criteria impairment, with the same TMDL due date as the FC impairment, since the threshold of 12 observations has been reached.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Thalia Creek**

TMDL Group ID: **01226**

VAT-C08E_THA01A02	**Thalia Creek/Thurston Branch**	VIRGINIA BEACH CITY	Beginning of Thalia Creek (includes Thurston Branch) from headwaters downstream to Western Br. Lynnhaven R. Portion of CBP segment LYNPH. Portion of DSS shellfish direct harvesting condemnation #071-025 A (balance in VAT-C08E_EBL01A00, _LYN01A00).

VA Overall AU Category: **5D**

Use	Impairment	0.16 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01226	**1998**	**2004**	Portion of DSS condemnation #071-025 A (balance in VAT-C08E_LYN01A06 & WES01A00). A TMDL has been completed and EPA approved (Category 4A) in 2004.

Sources: Discharges from Municipal Separate Storm Sewer Systems (MS4)
Municipal (Urbanized High Density Area)
Natural Sources
Non-Point Source
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)

TMDL Watershed Name: **The Gulf, Upper**

TMDL Group ID: **01242**

VAT-C14E_THG01A06	**The Gulf - Upper**	NORTHAMPTON CO	From end of tidal waters downstream to narrowing 0.45 mi. from mouth. Portion of CBP segment CB7PH. DSS shellfish condemnation # 087-174.

VA Overall AU Category: **5A**

Use	Impairment	0.17 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01242	**1998**	**2010**	DSS shellfish condemnation # 085-199 A.

Sources: Source Unknown

TMDL Watershed Name: **Thorntons Creek**

TMDL Group ID: **01025**

VAP-C06E_THC01A98	**Thorntons Creek**	GLOUCESTER CO	Described in the condemnation notice 044-054B, 4/16/2004. Size increased in 2006 cycle. MOBPH

VA Overall AU Category: **5A**

Use	Impairment	0.07 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01025	**1998**	**2010**	VAP-C06E-05 VDH DSS Shellfish Condemnation 044-054B, 4/16/2004

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Tipers Creek**

TMDL Group ID: **00972**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-C01E_TIP01A98	**Tipers Creek**	NORTHUMBERLAND CO	Described in the condemnation notice 013-089C, 4/16/2004. Area expanded in 2006 cycle, CB5MH.

VA Overall AU Category: **5A**

Use	Impairment	0.14 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		00972	**1998**	**2010**	00972 (SF) VAP-C01E-03 VDH-DSS Shellfish Condemnation Notice 013-89C, 4/16/2004. Area expanded in the 2006 cycle.

Sources: Source Unknown

TMDL Watershed Name: **Underhill Creek**

TMDL Group ID: **76014**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAT-C12E_UNR01A06	**Underhill Creek**	ACCOMACK CO	In area of Mount Nebo. North shore tributary to Pungoteague Cr. Portion of CBP segment CB7PH. DSS shellfish condemnation # 081-119 A. Effective 2004-10-13.

VA Overall AU Category: **5A**

Use	Impairment	0.09 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		76014	**2006**	**2018**	DSS shellfish condemnation # 081-119 A. Effective 2004-10-13.

Sources: Source Unknown

TMDL Watershed Name: **Unsegmented embayments in C10E-POCOH**

TMDL Group ID: **76118**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAT-C10E_ZZZ04A06	**Unsegmented embayments in C10E-POCOH**	ACCOMACK CO	Evaluated non segmented portions of C10E. Portion of CBP segment POCOH. Portion of DSS shellfish direct harvesting condemnation # 075-033.

VA Overall AU Category: **5A**

Use	Impairment	1.22 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		76118	**1998**	**2010**	Portion of DSS shellfish condemnation # 075-033.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Unsegmented embayments in C10E-POCOH**

TMDL Group ID: **76118**

VAT-C10E_ZZZ04C06 **Unsegmented tributaries in C10E-POCOH** ACCOMACK CO

Evaluated non segmented portions of C10E. Portion of CBP segment POCOH. Portion of DSS shellfish direct harvesting condemnation # 075-033.

VA Overall AU Category: **5A**

Use	Impairment	0.00 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		76118	**1998**	**2010**	Portion of DSS shellfish condemnation # 075-033.

Sources: Source Unknown

TMDL Watershed Name: **Unsegmented Pocomoke Sound/Pitts Creek in POCOH**

TMDL Group ID: **01230**

VAT-C09E_PTT01A06 **Pitts Creek** ACCOMACK CO

Located northeast of Pitts Neck area, along VA/MD border. From VA/MD state line downstream to mouth (confluence with Pocomoke River) within VA. Portion of CBP segment POCOH. Portion of DSS shellfish direct harvesting condemnation # 075-033.

VA Overall AU Category: **5A**

Use	Impairment	0.36 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01230	**1998**	**2010**	Portion of DSS shellfish condemnation # 075-033.

Sources: Source Unknown

VAT-C09E_ZZZ01A06 **Unsegmented tidal tributaries in C09E-POCOH** ACCOMACK CO

Evaluated non segmented portions of C09E. Portion of CBP segment POCOH. Portion of DSS shellfish direct harvesting condemnation # 075-033.

VA Overall AU Category: **5A**

Use	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01230	**1998**	**2010**	Portion of DSS shellfish condemnation # 075-033.

Sources: Source Unknown

VAT-C09E_ZZZ02A06 **Unsegmented Pocomoke Sound in POCOH** ACCOMACK CO

Evaluated non segmented portions of C09E. Portion of CBP segment POCOH. Portion of DSS shellfish direct harvesting condemnation # 075-033.

VA Overall AU Category: **5A**

Use	Impairment	0.74 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01230	**1998**	**2010**	Portion of DSS shellfish condemnation # 075-033.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Vaughans Creek**

TMDL Group ID: **01026**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-C06E_VGH01A98	**Vaughans Creek**	GLOUCESTER CO	Described in the condemnation notice 044-093B, 4/16/2004. MOBPH

VA Overall AU Category: **5A**

Use	Impairment	0.12 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01026	**1998**	**2010**	VAP-C06E-01 VDH-DSS Shellfish Condemnation 044-093B, 4/16/2004 During the 2004 cycle, this segment was included within the NW Branch Severn River condemnation. During the 2006 cycle, the impairment contracted in the 4/16/2004 condemnation and the segment was split into two separate segments. The following segments remain impaired: NW Branch Severn River: 004-093A, 0.33 sq. mi Vaughans Creek: 004-093B, 0.12 sq. mi.

Sources: Source Unknown

TMDL Watershed Name: **Wallace Creek**

TMDL Group ID: **01220**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAT-C07E_WAL02A06	**Wallace Creek - Lower (Back River)**	HAMPTON CITY	Tributary to south shore Back River, east of Harris R & adjacent to Inlet #2. DSS shellfish condemnation # 054-215 C. CBP segment MOBPH.

VA Overall AU Category: **5A**

Use	Impairment	0.06 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01220	**2006**	**2010**	DSS shellfish condemnation # 054-215 C.

Sources: Source Unknown

TMDL Watershed Name: **Ware River**

TMDL Group ID: **01018**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-C05E_WAR01A02	**Ware River**	GLOUCESTER CO	Described in the condemnation notice 043-096A, 7/6/2004. Size increased in 2006 cycle. MOBPH

VA Overall AU Category: **5A**

Use	Impairment	0.81 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01018	**1998**	**2010**	VAP-C05E-01 VDH-DSS Shellfish Condemnation 043-096A, 7/6/2004

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Warehouse Creek**

TMDL Group ID: **00974**

VAP-C01E_WRH01A98	**Warehouse Creek**	NORTHUMBERLAND CO	Described in the condemnation notice 013-089G, 4/16/2004. Area expanded for the 2006 cycle. CB5MH.

VA Overall AU Category: **5A**

Use	Impairment	0.08 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		00974	**1998**	**2010**	00974 (SF) VAP-C01E-06 VDH-DSS Shellfish Condemnation Notice 013-089G, 4/16/2004. Area expanded for the 2006 cycle.

Sources: Source Unknown

TMDL Group ID: **01240**

VAT-C13E_WHC02A06	**Warehouse Creek - Middle**	NORTHAMPTON CO	Including northern fork and continuing downstream to bend near Wellington Neck. Portion of CBP segment CB7PH. DSS shellfish condemnation # 085-110 D.

VA Overall AU Category: **5A**

Use	Impairment	0.15 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01240	**1998**	**2010**	DSS shellfish condemnation # 085-199 A.

Sources: Source Unknown

TMDL Watershed Name: **Watts Creek - (NW Br. Back River)**

TMDL Group ID: **76115**

VAT-C07E_WAT01A06	**Watts Creek - (NW Br. Back River)**	POQUOSON CITY CITY	Located southwest of Poquoson. Watts Cr. trib to Northwest Br. of Back R. Portion of DSS condemnation # 054-021B. CBP segment MOBPH.

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		76115	**2006**	**2010**	DSS shellfish condemnation # 054-215 C.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **West Neck Creek, Upper**

TMDL Group ID: **00190**

VAT-C08E_WNC01A00	West Neck Creek (Upper) to London Bridge Creek	VIRGINIA BEACH CITY	From Princess Anne Rd. crossing downstream to junction with London Bridge Cr. at Shipps Corner area. Segment has been determined by USGS to drain to C08E (Lynnhaven River). Portion of CBP segment LYNPH. No DSS shellfish direct harvesting condemnation.

VA Overall AU Category: **5D**

Use	Impairment	0.08 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Enterococcus**		00190	**2006**	**2005**	Category 4A. EPA approved 9/27/2005. The Recreation Use is impaired due to exceedance (10 violates / 15 obs.) of the criteria for Enterococcus bacteria. The previous Fecal Coliform indicator bacteria impairment no longer applies, replaced by Enterococcus criteria impairment, with the same TMDL due date as the FC impairment, since the threshold of 12 observations has been reached.

Sources: Source Unknown

TMDL Watershed Name: **Westerhouse Creek - North Branch (Part A)**

TMDL Group ID: **00436**

VAT-C14E_WHS01A06	Westerhouse Creek - North Branch (Part A)	NORTHAMPTON CO	In Church Neck area, west of Bridgetown. Portion of CBP segment CB7PH. DSS shellfish condemnation # 085-199 A.

VA Overall AU Category: **5A**

Use	Impairment	0.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		00436	**1998**	**2010**	DSS shellfish condemnation # 085-199 A.

Sources: Source Unknown

TMDL Watershed Name: **Westerhouse Creek - South Branch (Part B)**

TMDL Group ID: **00439**

VAT-C14E_WHS02A06	Westerhouse Creek - South Branch (Part B)	NORTHAMPTON CO	In Church Neck area, west of Bridgetown. Portion of CBP segment CB7PH. DSS shellfish condemnation # 085-199 B.

VA Overall AU Category: **5A**

Use	Impairment	0.05 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		00439	**1998**	**2010**	DSS shellfish condemnation # 085-199 A.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Whays Creek**

TMDL Group ID: **00973**

VAP-C01E_WHY01A98	**Whays Creek**	NORTHUMBERLAND CO	Described in the condemnation notice 013-089F, 4/16/2004. Area expanded for the 2006 cycle. CB5MH.

VA Overall AU Category: **5A**

Use	Impairment	0.14 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		00973	**1998**	**2010**	00973 (SF) VAP-C01E-05 VDH-DSS Shellfish Condemnation Notice 013-089F, 4/16/2004. Area expanded for the 2006 cycle.

Sources: Source Unknown

TMDL Watershed Name: **White House Cove - Upper**

TMDL Group ID: **01750**

VAT-C07E_WHH01A06	**White House Cove - Upper**	POQUOSON CITY CITY	Located in York Haven Anchorage area, south of mouth of Poquoson R, area of DSS Shellfish condemnation # 053-137 H. CBP segment MOBPH.

VA Overall AU Category: **5A**

Use	Impairment	0.10 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01750	**2006**	**2010**	DSS Shellfish condemnation # 053-137 H.

Sources: Source Unknown

TMDL Watershed Name: **Wilson Creek**

TMDL Group ID: **01019**

VAP-C05E_WIL01A98	**Wilson Creek**	GLOUCESTER CO	Described in the condemnation notice 043-096B, 7/6/2004. Segment expanded in 2006 cycle MOBPH

VA Overall AU Category: **5A**

Use	Impairment	0.34 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01019	**1998**	**2010**	VAP-C05E-02 VDH Shellfish Condemnation 043-096B, 7/6/2004

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Wilton Creek**

TMDL Group ID: **00193**

VAP-C03E_WLT01A98	Wilton Creek	MIDDLESEX CO	Described in the condemnation notice 126, 3/2/1993.

PIAMH.

VA Overall AU Category: **5D**

Use	Impairment	0.13 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		00193	**1998**	**2005**	Cat 4A for Shellfish. 00193 (SF) VAP-C03E-05 VDH-DSS SFC Notice 126, 3/2/1993. This segment was originally listed in 1998 as not supporting for the Shellfish Use based on VDH-DSS Shellfish Condemnation 126, 3/2/1993. Piankatank River, Lower Watershed TMDL Report for Shellfish Condemnation Areas Listed Due to Bacteria Contamination was completed and EPA approved on 11/15/2005. However, the EPA TMDL ID was not available for the 2006 cycle, therefore this segment will be assessed as Cat 4A.

Sources: Non-Point Source

TMDL Watershed Name: **Winder Creek**

TMDL Group ID: **01007**

VAP-C04E_MID01A02	Winder Creek	MATHEWS CO	As described in the condemnation notice 037-099C, 4/28/2004.

PIAMH

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01007	**2002**	**2014**	VAP-C04E-25 VDH-DSS Shellfish Condemnation 037-099C, 4/28/2004

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

Chesapeake Bay/Atlantic/Small Coastal Basins

TMDL Watershed Name: **Winter Harbor**

TMDL Group ID: **10117**

VAP-C04E_WIN01A06	**Winter Harbor**	MATHEWS CO	Described in the condemnation notice 038-178A, 4/29/2004. CB6PH

VA Overall AU Category: **5A**

Use	Impairment	0.11 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		10117	**2006**	**2018**	VAP-C04E-16 VDH Shellfish Condemnation 038-178A, 4/29/2004

Sources: Source Unknown

TMDL Watershed Name: **Womans Bay - Southern Portion**

TMDL Group ID: **76560**

VAT-D02E_WMB02A06	**Womans Bay - Southern Portion**	ACCOMACK CO	Southeast of Persimmon Point, at the mouth of Assawoman Creek. DSS shellfish condemnation # 099-135A (Effective date 2004-12-30).

VA Overall AU Category: **5B**

Use	Impairment	0.08 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		76560	**2006**	**2018**	Added to DSS shellfish condemnation # 099-135A for 2006 IR. Effective date 2004-12-30.

Sources: Source Unknown

TMDL Watershed Name: **Young Creek - Upper**

TMDL Group ID: **00336**

VAT-C10E_YOU01A06	**Young Creek - Upper**	ACCOMACK CO	Northeast of Town of Guilford. Upper portion of creek, from end of tidal waters downstream to end of DSS condemnation. Portion of CBP segment POCMH. DSS shellfish condemnation # 076-176 C.

VA Overall AU Category: **5A**

Use	Impairment	0.13 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		00336	**1998**	**2010**	DSS shellfish condemnation # 076-176 C.

Sources: Source Unknown

Note: * Includes Category 4A and 4C Impairments within each Assessment Unit. Assessment Units may extend across jurisdictional boundaries.

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **Aberdeen Creek**

TMDL Group ID: **01257**

VAT-F26E_ABD01A00	**Aberdeen Creek**	GLOUCESTER CO	Southeast of Clay Bank, south of Rt. 631. From the end of tidal waters downstream to the mouth. DSS shellfish direct harvesting condemnation # 047-078 A. YRKMH

VA Overall AU Category: **5A**

Use	Impairment	0.13 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01257	**1998**	**2010**	VAT-F26E-15 DSS shellfish direct harvesting condemnation # 047-078 A. EPA 1999 Consent Decree segment, Attachment A, Category 3.

Sources: Source Unknown

TMDL Watershed Name: **Adams Creek**

TMDL Group ID: **01258**

VAT-F26E_ADM01A00	**Adams Creek**	GLOUCESTER CO	Eastern shore of York River near Purtan Island. VDH-DSS shellfish condemnation # 048-128B, 11/5/2004. Size adjusted in 2006 cycle, although area did not change YRKMH

VA Overall AU Category: **5A**

Use	Impairment	0.18 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01258	**2004**	**2010**	VAT-F26E-12 VDH-DSS Condemnation 048-128B, 11/4/2005

Sources: Source Unknown

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Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **Bakers Creek**

TMDL Group ID: **01259**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAT-F26E_BAK01A00	**Bakers Creek**	KING AND QUEEN CO	North shore York R SE of West Point Municipal Airport. Estuarine portion of creek. Portion of DSS condemnation # 049-004A. YRKMH

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**	0.01	SQUARE MILES	01259	**2002**	**2014**	VAT-F26E-21 Portion of VDH-DSS Shellfish Condemnation 049-004A, 11/5/2004

Sources: Source Unknown

TMDL Watershed Name: **Berry Run**

TMDL Group ID: **60107**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAN-F07R_BRY01A06	**Berry Run**	ORANGE CO	Segment begins at the confluence with Little Creek and continues downstream until the confluence with Clear Creek.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	2.35	MILES	60107	**2006**	**2016**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (8 of 16 samples - 50.0%) were recorded at DEQ's ambient water quality monitoring station (8-BRY000.47) at the Route 629 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sources: Source Unknown

TMDL Watershed Name: **Carter Creek**

TMDL Group ID: **01485**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAT-F26R_CTC01A04	**Carter Creek**	YORK CO	NW & SE of Skimino, N of Camp Peary. Riverine portion of Carter Creek

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	0.91	MILES	01485	**2004**	**2016**	VAT-F26R-01 Sufficient exceedances of Virginia's water quality standard for Fecal Coliform bacteria were recorded at DEQ's biological water quality monitoring station (2/3) on Carter Creek to assess this segment as not supporting of the Clean Water Act's Recreation Use Support Goal.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **Carter Creek**

TMDL Group ID: **01486**

VAT-F26R_CTC01A04	Carter Creek	YORK CO	NW & SE of Skimino, N of Camp Peary. Riverine portion of Carter Creek

VA Overall AU Category: **5A**

Use	Impairment	0.91 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		01486	**2004**	**2016**	VAT-F26R-01 Benthic biological monitoring at station 8-CTC003.78 (located at State Route 604) indicated the stream's benthic community was moderately impaired. As a result, DEQ's General Standard (VR680-21-01.2) is not met for the protection of benthic aquatic life and this segment is assessed as not supporting of the Clean Water Act's Aquatic Life Use.

Sources: Source Unknown

TMDL Group ID: **70004**

VAT-F26E_CTC01A06	Carter Creek	YORK CO	Located in York County near Skimino. From mouth to estuarine/riverine transition. DSS condemnation #050-079. YRKMH

VA Overall AU Category: **5A**

Use	Impairment	0.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		70004	**2002**	**2018**	VAT-F26E-07 VDH-DSS Condemnation 050-079, 9/12/2003

Sources: Source Unknown

TMDL Watershed Name: **Carter Creek (Gloucester County) - Upper Portion (North Shore)**

TMDL Group ID: **01270**

VAT-F27E_CRT01A00	Carter Creek (Gloucester County) - Upper portion	GLOUCESTER CO	North shore York R located NW of Catlett Islands. Upper portion of creek, as described in VDH-DSS condemnation 047-107A, 12/30/2004. Segment expanded in 2006 cycle. YRKPH

VA Overall AU Category: **5A**

Use	Impairment	0.17 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01270	**1998**	**2010**	VAT-F27E-18 VDH-DSS condemnation 047-107A, 12/30/2004

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **Cedarbush Creek, Upper**

TMDL Group ID: **01269**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAT-F27E_CDB01A00	**Cedarbush Creek - Upper**	GLOUCESTER CO	North shore York River, north of Catlett Islands. VDH- DSS condemnation 047-107B, 12/30/2004 Segment expanded in 2006 cycle. YRKPH

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**	0.08 SQUARE MILES	01269	**1998**	**2010**	VAT-F27E-17 VDH-DSS Condemnation 042-107B, 12/30/2004

Sources: Source Unknown

TMDL Watershed Name: **Cohoke Mill Creek, Unnamed Tributary**

TMDL Group ID: **01117**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-F14R_XDM01A00	**Cohoke Mill Creek, UT**	KING WILLIAM CO	Mainstem upstream of Cohoke Millpond.

VA Overall AU Category: **5C**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**	2.20 MILES	01117	**2004**	**2016**	VAP-F14R-03 The UT was initially assessed as not supporting of the Aquatic Life Use in 2004 based on a pH violation rate of 2/2 at 8-XDM000.50. During the 2006 cycle, the segment remains impaired (6/11).

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

TMDL Watershed Name: **Contrary Creek**

TMDL Group ID: **00856**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAN-F08R_CON01A00	**Contrary Creek**	LOUISA CO	Segment begins at the headwaters of Contrary Creek and continues downstream until the confluence with Lake Anna.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**	5.49 MILES	00856	**2002**	**2014**	Sufficient exceedances of the instantaneous pH criterion (20 of 22 samples - 90.9%) were recorded at DEQ's ambient water quality monitoring station (8-CON005.38) at the Route 522 bridge to assess this stream segment as not supporting of the aquatic life use goal for the 2006 water quality assessment.

Sources: Impacts from Abandoned Mine Lands (Inactive)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **Dickeys Swamp, Dogwood Fork, UT Garnetts Creek UT**

TMDL Group ID: **01118**

VAP-F23R_DKW01A00 **Dickeys Swamp** KING AND QUEEN CO Headwaters to Dogwood Fork.

VA Overall AU Category: **5C**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	6.36 MILES	01118	**2002**	**2014**	VAP-F23R-02

Dickeys Swamp from Dogwoods Fork downstream to the mouth was initially assessed as fully supporting but threatened in 1998 based on dissolved oxygen violations at the Route 620 bridge (8-DKW000.12)

The segment was downgraded and extended in 2002 cycle to incorporate Dogwood Fork, the UT to Garnetts Creek (at the confluence of Garnetts and Dickeys), and the headwaters of Dickeys Swamp based on the results of a special study. The TMDL is due in 2014.

In the 2004 cycle, the dissolved oxygen violation rate at 8-DKW000.12 was still unacceptable (3/19), but monitoring upstream on Dickeys Swamp showed acceptable results. However, the segment length was not modified pending further monitoring.

There has been no additional monitoring since 2002.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

VAP-F23R_DKW01B00 **Dickeys Swamp** KING AND QUEEN CO Dogwoods Fork to Route 620

VA Overall AU Category: **5C**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	4.18 MILES	01118	**2002**	**2014**	VAP-F23R-02

Dickeys Swamp from Dogwoods Fork downstream to the mouth was initially assessed as fully supporting but threatened in 1998 based on dissolved oxygen violations at the Route 620 bridge (8-DKW000.12)

The segment was downgraded and extended in 2002 cycle to incorporate Dogwood Fork, the UT to Garnetts Creek (at the confluence of Garnetts and Dickeys), and the headwaters of Dickeys Swamp based on the results of a special study. The TMDL is due in 2014.

In the 2004 cycle, the dissolved oxygen violation rate at 8-DKW000.12 was still unacceptable (3/19), but monitoring upstream on Dickeys Swamp showed acceptable results. However, the segment length was not modified pending further monitoring.

There has been no additional monitoring since 2002.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **Dickeys Swamp, Dogwood Fork, UT Garnetts Creek UT**

TMDL Group ID: **01118**

VAP-F23R_DKW01C98	Dickeys Swamp	KING AND QUEEN CO	Route 620 to Garnetts Creek.

VA Overall AU Category: **5C**

Use	Impairment	0.64 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01118	**2002**	**2014**	VAP-F23R-02

Dickeys Swamp from Dogwoods Fork downstream to the mouth was initially assessed as fully supporting but threatened in 1998 based on dissolved oxygen violations at the Route 620 bridge (8-DKW000.12)

The segment was downgraded and extended in 2002 cycle to incorporate Dogwood Fork, the UT to Garnetts Creek (at the confluence of Garnetts and Dickeys), and the headwaters of Dickeys Swamp based on the results of a special study. The TMDL is due in 2014.

In the 2004 cycle, the dissolved oxygen violation rate at 8-DKW000.12 was still unacceptable (3/19), but monitoring upstream on Dickeys Swamp showed acceptable results. However, the segment length was not modified pending further monitoring.

There has been no additional monitoring since 2002.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

TMDL Watershed Name: **Dogwood Fork**

TMDL Group ID: **01119**

VAP-F23R_DWD01A00	Dogwood Fork	KING AND QUEEN CO	From its headwaters to its mouth at Dickeys Swamp.

VA Overall AU Category: **5C**

Use	Impairment	2.80 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01119	**2002**	**2014**	VAP-F23R-02

Dickeys Swamp from Dogwoods Fork downstream to the mouth was initially assessed as fully supporting but threatened in 1998 based on dissolved oxygen violations at the Route 620 bridge (8-DKW000.12)

The segment was downgraded and extended in 2002 cycle to incorporate Dogwood Fork, the UT to Garnetts Creek (at the confluence of Garnetts and Dickeys), and the headwaters of Dickeys Swamp based on the results of a special study. The TMDL is due in 2014.

In the 2004 cycle, the dissolved oxygen violation rate at 8-DKW000.12 was still unacceptable (3/19), but monitoring upstream on Dickeys Swamp showed acceptable results. However, the segment length was not modified pending further monitoring.

There has been no additional monitoring since 2002.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **Felgate's Creek - Upper**

TMDL Group ID: **01271**

VAT-F27E_FEL01A00	Felgate's Creek	YORK CO	South of Pennimon Spit, within Naval Weapons Station. Segment extends from headwaters downstream to mouth. Portion of DSS condemnation # 051-035C. In 2006: Merged with FEL02A00, which was deleted. YRKPH

VA Overall AU Category: **5A**

Use	Impairment	0.25 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01271	**1998**	**2010**	VAT-F27E-12 (SF) Portion of VDH-DSS condemnation 051-035C, 10/7/2004 - The upper portion of Felgates Creek has been previously assessed as impaired of the Shellfish Consumption Use based on condemnation 134B. During the 2006 cycle, the impairments on Felgates and King Creeks were expanded and merged.

Sources: Source Unknown

TMDL Watershed Name: **Fox Creek**

TMDL Group ID: **70003**

VAT-F26E_FOX01A06	Fox Creek	GLOUCESTER CO	Fox Creek trib to York River. Located southeast of Almondsville in Gloucester Co. DSS condemnation # 72, 4/27/1989. YRKMH

VA Overall AU Category: **5A**

Use	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		70003	**2006**	**2018**	VAT-F26E-06 VDH-DSS Condemnation 047-072, 4/27/1989

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **Garnetts Creek, UT**

TMDL Group ID: **01123**

VAP-F23R_XDN01A00	**Garnetts Creek, UT**	KING AND QUEEN CO	Headwaters to mouth at Garnetts Creek.

VA Overall AU Category: **5C**

Use	Impairment	2.48 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01123	**2002**	**2014**	VAP-F23R-02

Dickeys Swamp from Dogwoods Fork downstream to the mouth was initially assessed as fully supporting but threatened in 1998 based on dissolved oxygen violations at the Route 620 bridge (8-DKW000.12)

The segment was downgraded and extended in 2002 cycle to incorporate Dogwood Fork, the UT to Garnetts Creek (at the confluence of Garnetts and Dickeys), and the headwaters of Dickeys Swamp based on the results of a special study. The TMDL is due in 2014.

In the 2004 cycle, the dissolved oxygen violation rate at 8-DKW000.12 was still unacceptable (3/19), but monitoring upstream on Dickeys Swamp showed acceptable results. However, the segment length was not modified pending further monitoring.

There has been no additional monitoring since 2002.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **Gold Mine Creek**

TMDL Group ID: **00224**

VAN-F06R_GMC01A00	Gold Mine Creek	LOUISA CO	Segment begins at the headwaters of Gold Mine Creek and continues downstream until the confluence with Lake Anna.

VA Overall AU Category: **5D**

Use	Impairment	7.16 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00224	**2006**	**2005**	A bacteria TMDL for the Goldmine Creek watershed was submitted to the U.S. EPA and approved November 4, 2005. The sources of bacteria requiring reductions are pet, livestock and wildlife waste delivered directly to the stream or via pastureland or forest, human contributions from straight pipes, failing septic systems, and leaking sanitary sewers, and biosolid application. Sufficient exceedances of the instantaneous E.coli bacteria criterion (3 of 12 samples - 25.0%) were recorded at DEQ's ambient water quality monitoring station (8-GMC002.19) at the Route 613 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. The segment was previously listed for a fecal coliform bacteria impairment, beginning in 2002. Segment listed as Category 4A - Federal ID NA.

Sources: Grazing in Riparian or Shoreline Zones
Impacts from Land Application of Wastes
Livestock (Grazing or Feeding Operations)
Runoff from Forest/Grassland/Parkland
Sewage Discharges in Unsewered Areas
Wastes from Pets
Waterfowl
Wildlife Other than Waterfowl

TMDL Watershed Name: **Harrison Creek**

TMDL Group ID: **01116**

VAP-F14R_HSN01A00	Harrison Creek	KING WILLIAM CO	Upstream of pond at Elsing Green to nearest tributaries.

VA Overall AU Category: **5C**

Use	Impairment	2.59 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		01116	**2004**	**2016**	VAP-F14R-02 Harrison Creek was initially assessed as not supporting of the Aquatic Life Use in 2005 based on a pH violation rate of 2/2 at the Route 632 bridge (8-HSN002.12). During the 2006 cycle, the segment remained impaired (2/11).

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **Herring Creek**

TMDL Group ID: **00325**

VAN-F21R_HER01B02	Herring Creek	KING WILLIAM CO	Segment begins at the confluence with Dorrell Creek and continues downstream until the start of Herring Creek Millpond.

VA Overall AU Category: **5A**

Use	Impairment	4.81 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		00325	**2002**	**2010**	Sufficient excursions of the pH water quality criteria were recorded at the DEQ water quality monitoring station (8-HER005.12) at the Route 609 bridge to assess this segment as not supporting of the Clean Water Act's (CWA's) aquatic life use goal. Nine of 14 samples (64.3%) were below the lower range (6.0 SU) of the pH water quality criteria for Class III waters as established in 9 VAC 25-260-50 of the Virginia Water Quality Standards.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

TMDL Group ID: **00865**

VAN-F21R_HER01B02	Herring Creek	KING WILLIAM CO	Segment begins at the confluence with Dorrell Creek and continues downstream until the start of Herring Creek Millpond.

VA Overall AU Category: **5A**

Use	Impairment	4.81 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		00865	**2002**	**2014**	Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (2 of 8 samples - 25.0%) were recorded at DEQ's ambient water quality monitoring station (8-HER005.12) at the Route 609 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sources: Source Unknown

TMDL Group ID: **60118**

VAN-F21R_HER01A06	Herring Creek	KING WILLIAM CO	Segment begins at the outlet of Herring Creek Millpond and continues downstream until the confluence with the Mattaponi River.

VA Overall AU Category: **5C**

Use	Impairment	1.39 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		60118	**2006**	**2018**	Sufficient excursions of the pH water quality criteria were recorded at the DEQ water quality monitoring station (8-HER000.33) at the Route 600 bridge to assess this segment as not supporting of the Clean Water Act's (CWA's) aquatic life use goal. Two of six samples (33.3%) were below the lower range (6.0 SU) of the pH water quality criteria for Class III waters as established in 9 VAC 25-260-50 of the Virginia Water Quality Standards.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **Hockley Creek**

TMDL Group ID: **01260**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAT-F26E_HCK01A04	**Hockley Creek**	KING AND QUEEN CO	North shore York R NW of Belleview. Portion of DSS condemnation # 049-004A. YRKMH

VA Overall AU Category: **5A**

Use	Impairment	0.04 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01260	**2002**	**2014**	VAT-F26E-22 Portion of VDH-DSS Shellfish Condemnation 049-004A, 11/5/004

Sources: Source Unknown

TMDL Watershed Name: **Hornquarter Creek**

TMDL Group ID: **01101**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-F12R_HQT01A00	**Hornquarter Creek**	CAROLINE CO KING WILLIAM CO	Mainstem, headwaters to mouth.

VA Overall AU Category: **5C**

Use	Impairment	6.59 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		01101	**2002**	**2014**	VAP-F12R-03 Hornquarter Creek was initially evaluated not supporting of the Aquatic Life use support goal during the 2002 cycle based on pH standard violations at the Route 614 bridge (8-HQT002.12). During the 2006 cycle, the violation rate was 4/12.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

TMDL Watershed Name: **Indian Field Creek**

TMDL Group ID: **01272**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAT-F27E_IFC01A00	**Indian Field Creek**	YORK CO	Southeast of Pennimon Spit, within Naval Weapons Station. DSS condemnation no. 051-130, 11/12/1998. YRKPH

VA Overall AU Category: **5A**

Use	Impairment	0.12 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01272	**1998**	**2010**	VAT-F27E-19 VDH-DSS condemnation 051-130, 11/12/1998

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **Jacks Creek**

TMDL Group ID: **01103**

VAP-F13R_JKC01A98	Jacks Creek and major tributaries	KING WILLIAM CO	Jacks Creek in its entirety. Segment extended to consolidate Acquinton and Mallory Creeks in 2006

VA Overall AU Category: **5C**

Use	Impairment	22.99 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01103	**2002**	**2014**	VAP-F13R-03

The mainstem of Jacks Creek was assessed as fully supporting but threatened of the Aquatic Life Use in 1998 due to dissolved oxygen violations at the Rt. 621 bridge (8-JCK004.15). In 2002, the segment was downgraded to impaired and extended to incorporate Acquinton and Mallory Creeks based on the results of a special study:
DO 1/1 at 8-ACQ008.01;
DO 1/1 at 8-ACQ001.35;
DO 1/1 at 8-MLY001.58.

The TMDL is due in 2014.

During the 2006 cycle, the violation rate was 3/25 at 8-JKC004.15, so the segment remains impaired.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

TMDL Watershed Name: **Jones & Sandy Creeks**

TMDL Group ID: **01261**

VAT-F26E_JNS01A00	Jones Creek	GLOUCESTER CO	NW of Clay Bank, between Rts 618 & 616. From mouth to estuarine/riverine transition as described in DSS shellfish condemnation # 047-115, 11/7/2002. YRKMH

VA Overall AU Category: **5A**

Use	Impairment	0.06 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01261	**1998**	**2010**	VAT-F26E-13 VDH-DSS Condemnation 047-115, 11/7/2002

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **King Creek - Lower**

TMDL Group ID: **70005**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAT-F27E_KNG02A02	**King Creek - Lower**	YORK CO	South shore of York River. East of Pennimon Spit, within Naval Weapons Station facility. From RM 0.5 to mouth of creek at confluence with York River (RM 0.0). Portion of VDH-DSS condemnation 051-035C, 10/7/2004. YRKPH

VA Overall AU Category: **5A**

Use	Impairment	0.14 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		70005	**2006**	**2018**	VAT-F27E-13 Portion of VDH-DSS condemnation 051-035C, 10/7/2004 - The impairment was expanded during the 2006 cycle; the TMDL for the expanded area is not due until 2018.

Sources: Source Unknown

TMDL Watershed Name: **King Creek - Upper**

TMDL Group ID: **00331**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAT-F27E_KNG01A02	**King Creek - Upper**	YORK CO	South shore of York River. East of Pennimon Spit, within Naval Weapons Station facility. Headwaters area of creek downstream to RM 0.50. Portion of VDH-DSS condemnation 051-035C, 10/7/2004 YRKPH

VA Overall AU Category: **5A**

Use	Impairment	0.19 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Enterococcus**		00331	**2006**	**2010**	VAT-F27E-05 Sufficient exceedances of Virginia's water quality standards for Fecal Coliform Bacteria were recorded at DEQ's ambient water quality monitoring station on King Cr. to assess this segment as not supporting of the Clean Water Act's Recreation Use Support Goal for the 2002 305(b) report. The cause of the standard exceedances was considered unknown. During the year 2006 cycle, the segment remained impaired of the Recreation Use due to an enterococci violation rate of 6/14 at 8-KNG004.46. The impairment was converted from fecal coliform to enterococci, however the original TMDL due date was maintained.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **King Creek - Upper**

TMDL Group ID: **01273**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAT-F27E_KNG01A02	**King Creek - Upper**	YORK CO	South shore of York River. East of Pennimon Spit, within Naval Weapons Station facility. Headwaters area of creek downstream to RM 0.50. Portion of VDH-DSS condemnation 051-035C, 10/7/2004 YRKPH

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**	0.19	SQUARE MILES	01273	**1998**	**2010**	VAT-F27E-13 Portion of VDH-DSS condemnation 051-035C, 10/7/2004

Sources: Source Unknown

TMDL Watershed Name: **Lake Anna and Tributaries**

TMDL Group ID: **60139**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAN-F06R_GMC01A00	**Gold Mine Creek**	LOUISA CO	Segment begins at the headwaters of Gold Mine Creek and continues downstream until the confluence with Lake Anna.

VA Overall AU Category: **5D**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	7.16	MILES	60139	**2006**	**2018**	The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 06/15/04 and modified 12/13/04, limits carp, largemouth bass, striped bass, white catfish, channel catfish, and bluegill sunfish consumption to no more than two meals per month. The affected area includes the entirety of Lake Anna, including its tributaries Terry's Run, Gold Mine Creek, and Contrary Creek. An exceedance of the water quality criterion based tissue screening value (TV) of 54 parts per billion (ppb) for polychlorinated biphenyls (PCBs) in fish tissue that was recorded in three species of fish samples; largemouth bass (2000), striped bass (2000), and carp (2003), collected at monitoring station 8-GMC001.43.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **Lake Anna and Tributaries**

TMDL Group ID: **60139**

VAN-F07L_CON01A02 **Lake Anna/Contrary Creek** LOUISA CO

Segment includes the Contrary Creek arm of Lake Anna, beginning at the start of the inundated waters of Contrary Creek. The Freshwater Creek arm is not included in the segment. Segment size is approximate.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	472.00 ACRES	60139	**2002**	**2014**	The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 06/15/04 and modified 12/13/04, limits carp, largemouth bass, striped bass, white catfish, channel catfish, and bluegill sunfish consumption to no more than two meals per month. The affected area includes the entirety of Lake Anna, including its tributaries Terry's Run, Gold Mine Creek, and Contrary Creek. Additionally, sufficient exceedances of the water quality criterion based tissue value (TV) of 54 parts per billion (ppb) for polychlorinated biphenyls (PCBs) in fish tissue were recorded at DEQ's fish tissue/sediment monitoring station 8-CON003.84 to assess this segment as not supporting of Clean Water Act's (CWA's) fish consumption use goal. The TV for PCB's was exceeded in two species (channel catfish and carp) in samples collected 2000 and in two species (carp-rep1 and carp-rep2) in samples collected 2003.

Sources: Source Unknown

VAN-F07L_FRC01A04 **Lake Anna/Freshwater Creek** LOUISA CO

Segment includes the Freshwater Creek arm of Lake Anna.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	51.00 ACRES	60139	**2006**	**2018**	The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 06/15/04 and modified 12/13/04, limits carp, largemouth bass, striped bass, white catfish, channel catfish, and bluegill sunfish consumption to no more than two meals per month. The affected area includes the entirety of Lake Anna, including its tributaries Terry's Run, Gold Mine Creek, and Contrary Creek.

Sources: Source Unknown

VAN-F07L_GMC01A02 **Lake Anna/Gold Mine Creek** LOUISA CO

Segment includes the Gold Mine Creek arm of Lake Anna.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	74.00 ACRES	60139	**2002**	**2014**	The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 06/15/04 and modified 12/13/04, limits carp, largemouth bass, striped bass,

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **Lake Anna and Tributaries**

TMDL Group ID: **60139**

VAN-F07L_NAR01A02 **Lake Anna** LOUISA CO, SPOTSYLVANIA CO

Segment includes the lower portion of Lake Anna, beginning near the northern end of the Route 690 bridge, and continues downstream until the dam.

VA Overall AU Category: **5A**

Use	Impairment	1563.00 ACRES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		60139	**2002**	**2014**	The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 06/15/04 and modified 12/13/04, limits carp, largemouth bass, striped bass, white catfish, channel catfish, and bluegill sunfish consumption to no more than two meals per month. The affected area includes the entirety of Lake Anna, including its tributaries Terry's Run, Gold Mine Creek, and Contrary Creek. Additionally, an exceedance of the water quality criterion based fish tissue value (TV) of 54 parts per billion (ppb) for polychlorinated biphenyls (PCBs) in fish tissue was recorded in one species of fish samples collected in 2000 (channel catfish) and four species of fish samples collected in 2003 at monitoring station 8-NAR034.92 (carp, channel catfish-rep1, channel catfish- rep2, and largemouth bass).

Sources: Source Unknown

VAN-F07L_NAR02A02 **Lake Anna** LOUISA CO, SPOTSYLVANIA CO

Segment includes the middle portion of Lake Anna, beginning at the Route 208 bridge, and continues downstream until the northern end of the Route 690 bridge.

VA Overall AU Category: **5A**

Use	Impairment	3330.00 ACRES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		60139	**2006**	**2018**	The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 06/15/04 and modified 12/13/04, limits carp, largemouth bass, striped bass, white catfish, channel catfish, and bluegill sunfish consumption to no more than two meals per month. The affected area includes the entirety of Lake Anna, including its tributaries Terry's Run, Gold Mine Creek, and Contrary Creek.

Sources: Source Unknown

VAN-F07L_NAR03A02 **Lake Anna** LOUISA CO, SPOTSYLVANIA CO

Segment includes the upper portion North Anna River portion of Lake Anna, beginning at the boundary of F07, and continues downstream until the Route 208 bridge.

VA Overall AU Category: **5A**

Use	Impairment	846.00 ACRES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		60139	**2006**	**2018**	The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 06/15/04 and modified 12/13/04, limits carp, largemouth bass, striped bass, white catfish, channel catfish, and bluegill sunfish consumption to no more than two meals per month. The affected area includes the entirety of Lake Anna, including its tributaries Terry's Run, Gold Mine Creek, and Contrary Creek.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **Lake Anna and Tributaries**

TMDL Group ID: **60139**

VAN-F07L_NAR04A06 **Lake Anna** LOUISA CO, SPOTSYLVANIA CO

Segment includes the upper portion North Anna River of Lake Anna beginning at the start of the inundated waters of the North Anna River downstream until the boundary of the F06 watershed.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	1422.00 ACRES	60139	**2006**	**2018**	The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 06/15/04 and modified 12/13/04, limits carp, largemouth bass, striped bass,

Sources: Source Unknown

VAN-F07L_PLT01A04 **Lake Anna/Plentiful Creek** SPOTSYLVANIA CO

Segment includes the Plentiful Creek arm of Lake Anna.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	109.00 ACRES	60139	**2006**	**2018**	The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 06/15/04 and modified 12/13/04, limits carp, largemouth bass, striped bass, white catfish, channel catfish, and bluegill sunfish consumption to no more than two meals per month. The affected area includes the entirety of Lake Anna, including its tributaries Terry's Run, Gold Mine Creek, and Contrary Creek.

Sources: Source Unknown

VAN-F07L_PMC01A04 **Lake Anna/Pamunkey Creek** SPOTSYLVANIA CO

Segment includes the Pamunkey Creek arm of Lake Anna beginning at the confluence with the Terrys Run arm of the lake and continuing downstream until the confluence with the North Anna River at The Splits.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	805.00 ACRES	60139	**2006**	**2018**	The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 06/15/04 and modified 12/13/04, limits carp, largemouth bass, striped bass, white catfish, channel catfish, and bluegill sunfish consumption to no more than two meals per month. The affected area includes the entirety of Lake Anna, including its tributaries Terry's Run, Gold Mine Creek, and Contrary Creek.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **Lake Anna and Tributaries**

TMDL Group ID: **60139**

VAN-F07L_PMC02A02 — **Lake Anna/Pamunkey Creek** — ORANGE CO, SPOTSYLVANIA CO

Segment includes the Pamunkey Creek Arm of Lake Anna from the beginning of the inundated waters of Pamunkey Creek downstream to the confluence with the Terry's Run arm of the lake.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	472.00 ACRES	60139	**2006**	**2018**	The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 06/15/04 and modified 12/13/04, limits carp, largemouth bass, striped bass, white catfish, channel catfish, and bluegill sunfish consumption to no more than two meals per month. The affected area includes the entirety of Lake Anna, including its tributaries Terry's Run, Gold Mine Creek, and Contrary Creek.

Sources: Source Unknown

VAN-F07L_TRY01A04 — **Terrys Run/Lake Anna** — ORANGE CO, SPOTSYLVANIA CO

Segment includes the Terrys Run arm of Lake Anna.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	441.00 ACRES	60139	**2006**	**2018**	The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 06/15/04 and modified 12/13/04, limits carp, largemouth bass, striped bass, white catfish, channel catfish, and bluegill sunfish consumption to no more than two meals per month. The affected area includes the entirety of Lake Anna, including its tributaries Terry's Run, Gold Mine Creek, and Contrary Creek. Additionally, an exceedance of the water quality criterion based fish tissue value (TV) of 54 parts per billion (ppb) for polychlorinated biphenyls (PCBs) in fish tissue was recorded in four species of fish samples collected in 2003 at monitoring station 8-TRY001.33 (bluegill sunfish, carp, largemouth bass, and white catfish).

Sources: Source Unknown

VAN-F07R_TRY01A00 — **Terrys Run** — ORANGE CO

Segment begins at the confluence with Riga Run and continues downstream until the confluence with Lake Anna.

VA Overall AU Category: **5D**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	1.83 MILES	60139	**2006**	**2018**	The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 06/15/04 and modified 12/13/04, limits carp, largemouth bass, striped bass, white catfish, channel catfish, and bluegill sunfish consumption to no more than two meals per month. The affected area includes the entirety of Lake Anna, including its tributaries Terry's Run, Gold Mine Creek, and Contrary Creek.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **Lake Anna and Tributaries**

TMDL Group ID: **60139**

VAN-F07R_TRY02A02	Terrys Run	ORANGE CO	Segment begins at the confluence with Horsepen Branch and continues downstream until the confluence with Riga Run.

VA Overall AU Category: **5D**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	3.62 MILES	60139	**2006**	**2018**	The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 06/15/04 and modified 12/13/04, limits carp, largemouth bass, striped bass, white catfish, channel catfish, and bluegill sunfish consumption to no more than two meals per month. The affected area includes the entirety of Lake Anna, including its tributaries Terry's Run, Gold Mine Creek, and Contrary Creek.

Sources: Source Unknown

TMDL Watershed Name: **Lake Gordonsville**

TMDL Group ID: **60121**

VAN-F01L_DOV01A06	Lake Gordonsville	LOUISA CO	Segment includes all of Lake Gordonsville.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**Mercury in Fish Tissue**	82.00 ACRES	60121	**2006**	**2018**	The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, mercury fish consumption advisory. The advisory, dated 09/30/04, limits largemouth bass consumption to no more than two meals per month. The affected area includes the entirety of Lake Gordonsville, also known as Bowlers Mill Lake.

Sources: Source Unknown

TMDL Watershed Name: **Little River**

TMDL Group ID: **60103**

VAN-F10R_LTL01A02	Little River	LOUISA CO	Segment begins at the confluence with Hawkins Creek and continues downstream until the outlet of waterbody F10R, near the border of Louisa and Hanover counties.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	2.47 MILES	60103	**2006**	**2018**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (2 of 10 samples - 20.0%) were recorded at DEQ's ambient water quality monitoring station (8-LTL030.55) at the Route 654 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **Little River**

TMDL Group ID: **60110**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAN-F10R_LTL01A02	Little River	LOUISA CO	Segment begins at the confluence with Hawkins Creek and continues downstream until the outlet of waterbody F10R, near the border of Louisa and Hanover counties.

VA Overall AU Category: **5A**

Use	Impairment	2.47 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		60110	**2006**	**2018**	Sufficient exceedances of the instantaneous dissolved oxygen criterion (2 of 13 samples - 15.4%) were recorded at DEQ's ambient water quality monitoring station (8-LTL030.55) at the Route 654 bridge to assess this stream segment as not supporting of the aquatic life use goal for the 2006 water quality assessment.

Sources: Source Unknown

TMDL Group ID: **60116**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAN-F10R_LTL01A02	Little River	LOUISA CO	Segment begins at the confluence with Hawkins Creek and continues downstream until the outlet of waterbody F10R, near the border of Louisa and Hanover counties.

VA Overall AU Category: **5A**

Use	Impairment	2.47 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		60116	**2006**	**2018**	Sufficient exceedances of the instantaneous pH criterion (3 of 13 samples - 23.1%) were recorded at DEQ's ambient water quality monitoring station (8-LTL030.55) at the Route 654 bridge to assess this stream segment as not supporting of the aquatic life use goal for the 2006 water quality assessment.

Sources: Source Unknown

TMDL Watershed Name: **Maracossic Creek**

TMDL Group ID: **00867**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAN-F22R_MAR02A02	Maracossic Creek	CAROLINE CO KING AND QUEEN CO	Segment begins at the confluence with Doctors Creek and continues downstream until the confluence with Beverly Run, approximately 0.66 rivermile downstream from Route 646.

VA Overall AU Category: **5C**

Use	Impairment	4.32 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		00867	**2002**	**2014**	Sufficient excursions from the pH water quality criteria were recorded at the DEQ water quality monitoring station (8-MAR004.41) at the Route 646 bridge to assess this segment as not supporting of the Clean Water Act's (CWA's) aquatic life use goal. Three of 12 samples (25.0%) were below the lower range (6.0 SU) of the pH water quality criteria for Class III waters as established in 9 VAC 25-260-50 of the Virginia Water Quality Standards.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **Maracossic Creek**

TMDL Group ID: **60106**

VAN-F22R_MAR01A02	Maracossic Creek	CAROLINE CO KING AND QUEEN CO	Segment begins at the confluence with Beverly Run and continues downstream until the confluence with the Mattaponi River.

VA Overall AU Category: **5A**

Use	Impairment	4.28 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		60106	**2006**	**2018**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (4 of 13 samples - 30.8%) were recorded at DEQ's ambient water quality monitoring station (8-MAR003.24) at the Route 627 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sources: Source Unknown

TMDL Watershed Name: **Matta River**

TMDL Group ID: **00860**

VAN-F18R_MTA01A00	Matta River	CAROLINE CO SPOTSYLVANIA CO	Segment begins at the confluence with an unnamed tributary to the Matta River, approximately 0.5 rivermile upstream from the Route 632 bridge, and continues downstream until the confluence with the Poni River, forming the Mattaponi River.

VA Overall AU Category: **5A**

Use	Impairment	11.14 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00860	**2006**	**2016**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (2 of 11 samples - 18.2%) were recorded at DEQ's ambient water quality monitoring station (8-MTA001.69) at the Route 632 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. The segment was previously listed for a fecal coliform bacteria impairment, beginning in 2004.

Sources: Source Unknown

TMDL Watershed Name: **Mattaponi River**

TMDL Group ID: **00326**

VAN-F21R_MPN01B02	Mattaponi River	KING AND QUEEN CO KING WILLIAM CO	Segment begins at the confluence with Maracossic Creek and continues downstream until the confluence with Gravel Run.

VA Overall AU Category: **5C**

Use	Impairment	8.15 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		00326	**2002**	**2010**	Sufficient excursions from the pH water quality criteria were recorded at the DEQ water quality monitoring station (8-MPN054.17) at the Route 628 bridge and USGS station 01674500 to assess this segment as not supporting of the Clean Water Act's (CWA's) aquatic life use goal. 27 of 131 samples (20.6%) and 24 of146 samples (16.4%), respectively, were below the lower range (6.0 SU) of the pH water quality criteria for Class III waters as established in 9 VAC 25-260-50 of the Virginia Water Quality Standards.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: Mattaponi River

TMDL Group ID: 00440

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **Mattaponi River**

TMDL Group ID: **00440**

VAP-F23E_MPN02A98	Mattaponi River	KING AND QUEEN CO KING WILLIAM CO	From the limit of tide above the Route 360 bridge to Aylett Creek. MPNTF

VA Overall AU Category: **5A**

Use	Impairment	0.16 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		00440	**2006**	**2010**	VAP-F23E-03 The Chesapeake Bay and its tidal tributaries were added by EPA to the 1998 303(d) list. This included the entire tidal portion of the Mattaponi River. EPA listed the impairment as dissolved oxygen violations caused by nutrient overenrichment. During the 2002 cycle, dissolved oxygen and chlorophyll A violation rates at multiple monitoring stations were all acceptable (see below). Since the listing was based solely on the EPA overlist, the impairment has been considered Nutrients/Eutrophication Biological Indicators. However, during the 2006 cycle, the Chesapeake Bay water quality standards were implemented. The tidal freshwater Mattaponi failed the default CB 30-day open water summer criteria of 5.5 mg/L. Water quality standards specific for the Pamunkey and Mattaponi Rivers were adopted after the close of the assessment period and the new criteria will be used in the 2008 cycle. The specific criteria recognize that dissolved oxygen is naturally depressed in the rivers due to their extensive marsh systems. The TMDL is due in 2010.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		00440	**2006**	**2010**	VAP-F23E-03 (DO) The Chesapeake Bay and its tidal tributaries were added by EPA to the 1998 303(d) list. This included the entire tidal portion of the Mattaponi River. EPA listed the impairment as dissolved oxygen violations caused by nutrient overenrichment. During the 2002 cycle, dissolved oxygen and chlorophyll A violation rates at multiple monitoring stations were all acceptable (see below). Since the listing was based solely on the EPA overlist, the impairment has been considered Nutrients/Eutrophication Biological Indicators. However, during the 2006 cycle, the Chesapeake Bay water quality standards were implemented. The tidal freshwater Mattaponi failed the default CB 30-day open water summer criteria of 5.5 mg/L. Water quality standards specific for the Pamunkey and Mattaponi Rivers were adopted after the close of the assessment period and the new criteria will be used in the 2008 cycle. The specific criteria recognize that dissolved oxygen is naturally depressed in the rivers due to their extensive marsh systems. The TMDL is due in 2010.

Sources: Agriculture

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **Mattaponi River**

TMDL Group ID: **00440**

Sources: Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **Mattaponi River**

TMDL Group ID: **00440**

VAP-F23E_MPN03A06	**Mattaponi River**	KING AND QUEEN CO KING WILLIAM CO	Aylett Creek to Garnetts Creek. MPNTF

VA Overall AU Category: **5A**

Use	Impairment	1.71 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		00440	**2006**	**2010**	VAP-F23E-03 The Chesapeake Bay and its tidal tributaries were added by EPA to the 1998 303(d) list. This included the entire tidal portion of the Mattaponi River. EPA listed the impairment as dissolved oxygen violations caused by nutrient overenrichment. During the 2002 cycle, dissolved oxygen and chlorophyll A violation rates at multiple monitoring stations were all acceptable (see below). Since the listing was based solely on the EPA overlist, the impairment has been considered Nutrients/Eutrophication Biological Indicators. However, during the 2006 cycle, the Chesapeake Bay water quality standards were implemented. The tidal freshwater Mattaponi failed the default CB 30-day open water summer criteria of 5.5 mg/L. Water quality standards specific for the Pamunkey and Mattaponi Rivers were adopted after the close of the assessment period and the new criteria will be used in the 2008 cycle. The specific criteria recognize that dissolved oxygen is naturally depressed in the rivers due to their extensive marsh systems. The TMDL is due in 2010.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		00440	**2006**	**2010**	VAP-F23E-03 (DO) The Chesapeake Bay and its tidal tributaries were added by EPA to the 1998 303(d) list. This included the entire tidal portion of the Mattaponi River. EPA listed the impairment as dissolved oxygen violations caused by nutrient overenrichment. During the 2002 cycle, dissolved oxygen and chlorophyll A violation rates at multiple monitoring stations were all acceptable (see below). Since the listing was based solely on the EPA overlist, the impairment has been considered Nutrients/Eutrophication Biological Indicators. However, during the 2006 cycle, the Chesapeake Bay water quality standards were implemented. The tidal freshwater Mattaponi failed the default CB 30-day open water summer criteria of 5.5 mg/L. Water quality standards specific for the Pamunkey and Mattaponi Rivers were adopted after the close of the assessment period and the new criteria will be used in the 2008 cycle. The specific criteria recognize that dissolved oxygen is naturally depressed in the rivers due to their extensive marsh systems. The TMDL is due in 2010.

Sources: Agriculture

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **Mattaponi River**

TMDL Group ID: **00440**

Sources: Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **Mattaponi River**

TMDL Group ID: **00440**

VAP-F23E_ZZZ01A00	Unsegmented estuaries in F23	KING AND QUEEN CO KING WILLIAM CO	Unsegmented portion MPNTF

VA Overall AU Category: **5A**

Use	Impairment	0.10 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		00440	**2006**	**2010**	VAP-F23E-03 The CB standards were implemented during the 2006 cycle. The tidal freshwater Mattaponi failed the default CB 30-day open water summer criteria of 5.5 mg/L. Water quality standards specific for the Pamunkey and Mattaponi Rivers were adopted after the close of the assessment period and the new criteria will be used in the 2008 cycle. The specific criteria recognize that dissolved oxygen is naturally depressed in the rivers due to their extensive marsh systems. The TMDL is due in 2010. The Shallow Water Use was considered fully supporting due to acceptable SAV acreage and there was insufficient data to assess the Migratory Spawning and Nursery Use.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		00440	**2006**	**2010**	VAP-F23E-03 (DO) The Chesapeake Bay and its tidal tributaries were added by EPA to the 1998 303(d) list. This included the entire tidal portion of the Mattaponi River. EPA listed the impairment as dissolved oxygen violations caused by nutrient overenrichment. During the 2002 cycle, dissolved oxygen and chlorophyll A violation rates at multiple monitoring stations were all acceptable (see below). Since the listing was based solely on the EPA overlist, the impairment has been considered Nutrients/Eutrophication Biological Indicators. However, during the 2006 cycle, the Chesapeake Bay water quality standards were implemented. The tidal freshwater Mattaponi failed the default CB 30-day open water summer criteria of 5.5 mg/L. Water quality standards specific for the Pamunkey and Mattaponi Rivers were adopted after the close of the assessment period and the new criteria will be used in the 2008 cycle. The specific criteria recognize that dissolved oxygen is naturally depressed in the rivers due to their extensive marsh systems. The TMDL is due in 2010.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **Mattaponi River**

TMDL Group ID: **00440**

Sources: Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **Mattaponi River**

TMDL Group ID: **00440**

VAP-F24E_MPN03A98	**Mattaponi River**	KING AND QUEEN CO KING WILLIAM CO	Garnetts Creek to tidal freshwater/oligohaline boundary at approximately river mile 18 MPNTF

VA Overall AU Category: **5A**

Use	Impairment	1.15 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		00440	**2006**	**2010**	VAP-F23E-03

The Chesapeake Bay and its tidal tributaries were added by EPA to the 1998 303(d) list. This included the entire tidal portion of the Mattaponi River. EPA listed the impairment as dissolved oxygen violations caused by nutrient overenrichment. During the 2002 cycle, dissolved oxygen and chlorophyll A violation rates at multiple monitoring stations were all acceptable (see below). Since the listing was based solely on the EPA overlist, the impairment has been considered Nutrients/Eutrophication Biological Indicators.

However, during the 2006 cycle, the Chesapeake Bay water quality standards were implemented. The tidal freshwater Mattaponi failed the default CB 30-day open water summer criteria of 5.5 mg/L. Water quality standards specific for the Pamunkey and Mattaponi Rivers were adopted after the close of the assessment period and the new criteria will be used in the 2008 cycle. The specific criteria recognize that dissolved oxygen is naturally depressed in the rivers due to their extensive marsh systems. The TMDL is due in 2010.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **Mattaponi River**

TMDL Group ID: **00440**

Open-Water Aquatic Life	**Oxygen, Dissolved**	00440	**2006**	**2010**	VAP-F23E-03	The Chesapeake Bay and its tidal tributaries were added by EPA to the 1998 303(d) list. This included the entire tidal portion of the Mattaponi River. EPA listed the impairment as dissolved oxygen violations caused by nutrient overenrichment. During the 2002 cycle, dissolved oxygen and chlorophyll A violation rates at multiple monitoring stations were all acceptable (see below). Since the listing was based solely on the EPA overlist, the impairment has been considered Nutrients/Eutrophication Biological Indicators. However, during the 2006 cycle, the Chesapeake Bay water quality standards were implemented. The tidal freshwater Mattaponi failed the default CB 30-day open water summer criteria of 5.5 mg/L. Water quality standards specific for the Pamunkey and Mattaponi Rivers were adopted after the close of the assessment period and the new criteria will be used in the 2008 cycle. The specific criteria recognize that dissolved oxygen is naturally depressed in the rivers due to their extensive marsh systems. The TMDL is due in 2010.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **Mattaponi River**

TMDL Group ID: **00440**

VAP-F24E_MPN03B02	**Mattaponi River**	KING AND QUEEN CO KING WILLIAM CO	Tidal freshwater/oligohaline boundary to Melrose Landing at Route 602 MPNOH

VA Overall AU Category: **5A**

Use	Impairment	0.42 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		00440	**2006**	**2010**	VAP-F24E-02 The Chesapeake Bay and its tidal tributaries were added by EPA to the 1998 303(d) list. This included the entire tidal portion of the Mattaponi River. EPA listed the impairment as dissolved oxygen violations caused by nutrient overenrichment. During the 2002 cycle, dissolved oxygen and chlorophyll A violation rates at multiple monitoring stations were all acceptable (see below). Since the listing was based solely on the EPA overlist, the impairment has been considered Nutrients/Eutrophication Biological Indicators. However, during the 2006 cycle, the Chesapeake Bay water quality standards were implemented. The oligohaline Mattaponi failed the default CB 30-day open water summer and non-summer criteria of 5 mg/L. Water quality standards specific for the Pamunkey and Mattaponi Rivers were adopted after the close of the assessment period and the new criteria will be used in the 2008 cycle. The specific criteria recognize that dissolved oxygen is naturally depressed in the rivers due to their extensive marsh systems. The TMDL is due in 2010.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		00440	**2006**	**2010**	VAP-F23E-03 The Chesapeake Bay and its tidal tributaries were added by EPA to the 1998 303(d) list. This included the entire tidal portion of the Mattaponi River. EPA listed the impairment as dissolved oxygen violations caused by nutrient overenrichment. During the 2002 cycle, dissolved oxygen and chlorophyll A violation rates at multiple monitoring stations were all acceptable (see below). Since the listing was based solely on the EPA overlist, the impairment has been considered Nutrients/Eutrophication Biological Indicators. However, during the 2006 cycle, the Chesapeake Bay water quality standards were implemented. The oligohaline Mattaponi failed the default CB 30-day open water summer and non-summer criteria of 5 mg/L. Water quality standards specific for the Pamunkey and Mattaponi Rivers were adopted after the close of the assessment period and the new criteria will be used in the 2008 cycle. The specific criteria recognize that dissolved oxygen is naturally depressed in the rivers due to their extensive marsh systems. The TMDL is due in 2010.

Sources: Agriculture

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **Mattaponi River**

TMDL Group ID: **00440**

Sources: Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **Mattaponi River**

TMDL Group ID: **00440**

VAP-F24E_MPN03C06	**Mattaponi River**	KING AND QUEEN CO KING WILLIAM CO	Melrose Landing (Route 602) to Heartquake Creek. MPNOH

VA Overall AU Category: **5A**

Use	Impairment	0.72 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		00440	**2006**	**2010**	VAP-F24E-02 The Chesapeake Bay and its tidal tributaries were added by EPA to the 1998 303(d) list. This included the entire tidal portion of the Mattaponi River. EPA listed the impairment as dissolved oxygen violations caused by nutrient overenrichment. During the 2002 cycle, dissolved oxygen and chlorophyll A violation rates at multiple monitoring stations were all acceptable (see below). Since the listing was based solely on the EPA overlist, the impairment has been considered Nutrients/Eutrophication Biological Indicators. However, during the 2006 cycle, the Chesapeake Bay water quality standards were implemented. The oligohaline Mattaponi failed the default CB 30-day open water summer and non-summer criteria of 5 mg/L. Water quality standards specific for the Pamunkey and Mattaponi Rivers were adopted after the close of the assessment period and the new criteria will be used in the 2008 cycle. The specific criteria recognize that dissolved oxygen is naturally depressed in the rivers due to their extensive marsh systems. The TMDL is due in 2010.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		00440	**2006**	**2010**	VAP-F23E-03 The Chesapeake Bay and its tidal tributaries were added by EPA to the 1998 303(d) list. This included the entire tidal portion of the Mattaponi River. EPA listed the impairment as dissolved oxygen violations caused by nutrient overenrichment. During the 2002 cycle, dissolved oxygen and chlorophyll A violation rates at multiple monitoring stations were all acceptable (see below). Since the listing was based solely on the EPA overlist, the impairment has been considered Nutrients/Eutrophication Biological Indicators. However, during the 2006 cycle, the Chesapeake Bay water quality standards were implemented. The oligohaline Mattaponi failed the default CB 30-day open water summer and non-summer criteria of 5 mg/L. Water quality standards specific for the Pamunkey and Mattaponi Rivers were adopted after the close of the assessment period and the new criteria will be used in the 2008 cycle. The specific criteria recognize that dissolved oxygen is naturally depressed in the rivers due to their extensive marsh systems. The TMDL is due in 2010.

Sources: Agriculture

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **Mattaponi River**

TMDL Group ID: **00440**

Sources: Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **Mattaponi River**

TMDL Group ID: **00440**

VAP-F24E_ZZZ01A00	**Unsegmented estuaries in F24**	KING AND QUEEN CO KING WILLIAM CO	Unsegmented portion of the watershed within MPNTF

VA Overall AU Category: **5A**

Use	Impairment	0.05 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		00440	**2006**	**2010**	VAP-F23E-03 The CB standards were implemented during the 2006 cycle. The tidal freshwater Mattaponi failed the default CB 30-day open water summer criteria of 5.5 mg/L. Water quality standards specific for the Pamunkey and Mattaponi Rivers were adopted after the close of the assessment period and the new criteria will be used in the 2008 cycle. The specific criteria recognize that dissolved oxygen is naturally depressed in the rivers due to their extensive marsh systems. The TMDL is due in 2010.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		00440	**2006**	**2010**	VAP-F23E-03 The CB standards were implemented during the 2006 cycle. The tidal freshwater Mattaponi failed the default CB 30-day open water summer criteria of 5.5 mg/L. Water quality standards specific for the Pamunkey and Mattaponi Rivers were adopted after the close of the assessment period and the new criteria will be used in the 2008 cycle. The specific criteria recognize that dissolved oxygen is naturally depressed in the rivers due to their extensive marsh systems. The TMDL is due in 2010.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **Mattaponi River**

TMDL Group ID: **00440**

VAP-F24E_ZZZ02A06	Unsegmented estuaries in F24	KING AND QUEEN CO KING WILLIAM CO	Unsegmented portion of the watershed within MPNOH

VA Overall AU Category: **5A**

Use	Impairment	0.10 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		00440	**2006**	**2010**	VAP-F23E-03 The CB standards were implemented during the 2006 cycle. The oligohaline Mattaponi failed the default CB 30-day open water summer and non-summer dissolved oxygen criteria. Water quality standards specific for the Pamunkey and Mattaponi Rivers were adopted after the close of the assessment period and the new criteria will be used in the 2008 cycle. The specific criteria recognize that dissolved oxygen is naturally depressed in the rivers due to their extensive marsh systems. The TMDL is due in 2010.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		00440	**2006**	**2010**	VAP-F23E-03 The CB standards were implemented during the 2006 cycle. The oligohaline Mattaponi failed the default CB 30-day open water summer and non-summer dissolved oxygen criteria. Water quality standards specific for the Pamunkey and Mattaponi Rivers were adopted after the close of the assessment period and the new criteria will be used in the 2008 cycle. The specific criteria recognize that dissolved oxygen is naturally depressed in the rivers due to their extensive marsh systems. The TMDL is due in 2010.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **Mattaponi River**

TMDL Group ID: **00440**

VAP-F25E_MPN05A00	**Mattaponi River**	KING AND QUEEN CO KING WILLIAM CO	From transition zone boundary at Heartquake Creek to VDH-DSS 049-004B, 11/5/2004. MPNOH

VA Overall AU Category: **5A**

Use	Impairment	1.30 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		00440	**2006**	**2010**	VAP-F23E-03

The Chesapeake Bay and its tidal tributaries were added by EPA to the 1998 303(d) list. This included the entire tidal portion of the Mattaponi River. EPA listed the impairment as dissolved oxygen violations caused by nutrient overenrichment. During the 2002 cycle, dissolved oxygen and chlorophyll A violation rates at multiple monitoring stations were all acceptable (see below). Since the listing was based solely on the EPA overlist, the impairment has been considered Nutrients/Eutrophication Biological Indicators.

However, during the 2006 cycle, the Chesapeake Bay water quality standards were implemented. The oligohaline Mattaponi failed the default CB 30-day open water summer and non-summer criteria of 5 mg/L. Water quality standards specific for the Pamunkey and Mattaponi Rivers were adopted after the close of the assessment period and the new criteria will be used in the 2008 cycle. The specific criteria recognize that dissolved oxygen is naturally depressed in the rivers due to their extensive marsh systems. The TMDL is due in 2010.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **Mattaponi River**

TMDL Group ID: **00440**

Open-Water Aquatic Life	**Oxygen, Dissolved**	00440	**2006**	**2010**	VAP-F23E-03	The Chesapeake Bay and its tidal tributaries were added by EPA to the 1998 303(d) list. This included the entire tidal portion of the Mattaponi River. EPA listed the impairment as dissolved oxygen violations caused by nutrient overenrichment. During the 2002 cycle, dissolved oxygen and chlorophyll A violation rates at multiple monitoring stations were all acceptable (see below). Since the listing was based solely on the EPA overlist, the impairment has been considered Nutrients/Eutrophication Biological Indicators. However, during the 2006 cycle, the Chesapeake Bay water quality standards were implemented. The oligohaline Mattaponi failed the default CB 30-day open water summer and non-summer criteria of 5 mg/L. Water quality standards specific for the Pamunkey and Mattaponi Rivers were adopted after the close of the assessment period and the new criteria will be used in the 2008 cycle. The specific criteria recognize that dissolved oxygen is naturally depressed in the rivers due to their extensive marsh systems. The TMDL is due in 2010.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **Mattaponi River**

TMDL Group ID: **00440**

VAP-F25E_MPN05B06	**Mattaponi River**	KING AND QUEEN CO KING WILLIAM CO	From VDH-SFC 049-004B, 11/5/2004 to the oligohaline/York mesohaline boundary. MPNOH

VA Overall AU Category: **5A**

Use	Impairment	0.38 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		00440	**2006**	**2010**	VAP-F23E-03

The Chesapeake Bay and its tidal tributaries were added by EPA to the 1998 303(d) list. This included the entire tidal portion of the Mattaponi River. EPA listed the impairment as dissolved oxygen violations caused by nutrient overenrichment. During the 2002 cycle, dissolved oxygen and chlorophyll A violation rates at multiple monitoring stations were all acceptable (see below). Since the listing was based solely on the EPA overlist, the impairment has been considered Nutrients/Eutrophication Biological Indicators.

However, during the 2006 cycle, the Chesapeake Bay water quality standards were implemented. The oligohaline Mattaponi failed the default CB 30-day open water summer and non-summer criteria of 5 mg/L. Water quality standards specific for the Pamunkey and Mattaponi Rivers were adopted after the close of the assessment period and the new criteria will be used in the 2008 cycle. The specific criteria recognize that dissolved oxygen is naturally depressed in the rivers due to their extensive marsh systems. The TMDL is due in 2010.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **Mattaponi River**

TMDL Group ID: **00440**

Open-Water Aquatic Life	**Oxygen, Dissolved**	00440	**2006**	**2010**	VAP-F23E-03	The Chesapeake Bay and its tidal tributaries were added by EPA to the 1998 303(d) list. This included the entire tidal portion of the Mattaponi River. EPA listed the impairment as dissolved oxygen violations caused by nutrient overenrichment. During the 2002 cycle, dissolved oxygen and chlorophyll A violation rates at multiple monitoring stations were all acceptable (see below). Since the listing was based solely on the EPA overlist, the impairment has been considered Nutrients/Eutrophication Biological Indicators. However, during the 2006 cycle, the Chesapeake Bay water quality standards were implemented. The oligohaline Mattaponi failed the default CB 30-day open water summer and non-summer criteria of 5 mg/L. Water quality standards specific for the Pamunkey and Mattaponi Rivers were adopted after the close of the assessment period and the new criteria will be used in the 2008 cycle. The specific criteria recognize that dissolved oxygen is naturally depressed in the rivers due to their extensive marsh systems. The TMDL is due in 2010.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **Mattaponi River**

TMDL Group ID: **00440**

VAP-F25E_MPN06A04	**Mattaponi River**	KING AND QUEEN CO KING WILLIAM CO	The Mattaponi oligohaline/York mesohaline boundary downstream to mouth at York River. YRKMH

VA Overall AU Category: **5A**

Use	Impairment	0.21 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		00440	**2006**	**2010**	VAP-F23E-03 The Chesapeake Bay and its tidal tributaries were added by EPA to the 1998 303(d) list. This included the entire tidal portion of the Mattaponi River. EPA listed the impairment as dissolved oxygen violations caused by nutrient overenrichment. During the 2002 cycle, dissolved oxygen and chlorophyll A violation rates at multiple monitoring stations were all acceptable (see below). Since the listing was based solely on the EPA overlist, the impairment has been considered Nutrients/Eutrophication Biological Indicators. During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The York Mesohaline segment, which includes the mouths of the Pamunkey and Mattaponi rivers, failed the CB 30 day open water dissolved oxygen criteria and the SAV acreage goals.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		00440	**2006**	**2010**	VAP-F23E-03 The Chesapeake Bay and its tidal tributaries were added by EPA to the 1998 303(d) list. This included the entire tidal portion of the Mattaponi River. EPA listed the impairment as dissolved oxygen violations caused by nutrient overenrichment. During the 2002 cycle, dissolved oxygen and chlorophyll A violation rates at multiple monitoring stations were all acceptable (see below). Since the listing was based solely on the EPA overlist, the impairment has been considered Nutrients/Eutrophication Biological Indicators. During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The York Mesohaline segment, which includes the mouths of the Pamunkey and Mattaponi rivers, failed the CB 30 day open water dissolved oxygen criteria and the SAV acreage goals.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **Mattaponi River**

TMDL Group ID: **00440**

Sources: Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **Mattaponi River**

TMDL Group ID: **00440**

VAP-F25E_MPN06B06	Mattaponi River	KING AND QUEEN CO KING WILLIAM CO	DS of VDH-DSS condemnation 049-004C to mouth at York River. YRKMH

VA Overall AU Category: **5A**

Use	Impairment	0.64 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		00440	**2006**	**2010**	VAP-F23E-03 The Chesapeake Bay and its tidal tributaries were added by EPA to the 1998 303(d) list. This included the entire tidal portion of the Mattaponi River. EPA listed the impairment as dissolved oxygen violations caused by nutrient overenrichment. During the 2002 cycle, dissolved oxygen and chlorophyll A violation rates at multiple monitoring stations were all acceptable (see below). Since the listing was based solely on the EPA overlist, the impairment has been considered Nutrients/Eutrophication Biological Indicators. During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The York Mesohaline segment, which includes the mouths of the Pamunkey and Mattaponi rivers, failed the CB 30 day open water dissolved oxygen criteria and the SAV acreage goals.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		00440	**2006**	**2010**	VAP-F23E-03 The Chesapeake Bay and its tidal tributaries were added by EPA to the 1998 303(d) list. This included the entire tidal portion of the Mattaponi River. EPA listed the impairment as dissolved oxygen violations caused by nutrient overenrichment. During the 2002 cycle, dissolved oxygen and chlorophyll A violation rates at multiple monitoring stations were all acceptable (see below). Since the listing was based solely on the EPA overlist, the impairment has been considered Nutrients/Eutrophication Biological Indicators. During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The York Mesohaline segment, which includes the mouths of the Pamunkey and Mattaponi rivers, failed the CB 30 day open water dissolved oxygen criteria and the SAV acreage goals.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **Mattaponi River**

TMDL Group ID: **00440**

Sources: Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

VAP-F25E_ZZZ01A00	Unsegmented estuaries in F25	KING AND QUEEN CO KING WILLIAM CO	Unsegmented portion of the watershed. MPNOH

VA Overall AU Category: **5A**

Use	Impairment	0.15 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		00440	**2006**	**2010**	VAP-F23E-03 During the 2006 cycle, the Chesapeake Bay water quality standards were implemented. The oligohaline Mattaponi failed the default CB 30-day open water summer and non-summer criteria of 5 mg/L. Water quality standards specific for the Pamunkey and Mattaponi Rivers were adopted after the close of the assessment period and the new criteria will be used in the 2008 cycle. The specific criteria recognize that dissolved oxygen is naturally depressed in the rivers due to their extensive marsh systems. The TMDL is due in 2010.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		00440	**2006**	**2010**	VAP-F23E-03 During the 2006 cycle, the Chesapeake Bay water quality standards were implemented. The oligohaline Mattaponi failed the default CB 30-day open water summer and non-summer criteria of 5 mg/L. Water quality standards specific for the Pamunkey and Mattaponi Rivers were adopted after the close of the assessment period and the new criteria will be used in the 2008 cycle. The specific criteria recognize that dissolved oxygen is naturally depressed in the rivers due to their extensive marsh systems. The TMDL is due in 2010.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **Mattaponi River**

TMDL Group ID: **00440**

VAP-F25E_ZZZ02A06	**Unsegmented estuaries in F25**	KING AND QUEEN CO KING WILLIAM CO	Unsegmented portion of the watershed within SFC 049-004B, 11/5/2004. MPNOH

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		00440	**2006**	**2010**	VAP-F23E-03 During the 2006 cycle, the Chesapeake Bay water quality standards were implemented. The oligohaline Mattaponi failed the default CB 30-day open water summer and non-summer criteria of 5 mg/L. Water quality standards specific for the Pamunkey and Mattaponi Rivers were adopted after the close of the assessment period and the new criteria will be used in the 2008 cycle. The specific criteria recognize that dissolved oxygen is naturally depressed in the rivers due to their extensive marsh systems. The TMDL is due in 2010.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		00440	**2006**	**2010**	VAP-F23E-03 During the 2006 cycle, the Chesapeake Bay water quality standards were implemented. The oligohaline Mattaponi failed the default CB 30-day open water summer and non-summer criteria of 5 mg/L. Water quality standards specific for the Pamunkey and Mattaponi Rivers were adopted after the close of the assessment period and the new criteria will be used in the 2008 cycle. The specific criteria recognize that dissolved oxygen is naturally depressed in the rivers due to their extensive marsh systems. The TMDL is due in 2010.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **Mattaponi River**

TMDL Group ID: **00440**

VAP-F25E_ZZZ03A06	**Unsegmented estuaries in F25**	KING AND QUEEN CO KING WILLIAM CO	Unsegmented portion of the watershed within SFC 049-004C, 11/5/2004. YRKMH

VA Overall AU Category: **5A**

Use	Impairment	0.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		00440	**2006**	**2010**	VAP-F23E-03 During the 2006 cycle, the Chesapeake Bay water quality standards were implemented. The mesohaline York (which includes the mouths of the Pamunkey and Mattaponi Rivers) failed the default CB 30-day open water summer criteria and the SAV acreage requirements. The TMDL is due in 2010.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		00440	**2006**	**2010**	VAP-F23E-03 During the 2006 cycle, the Chesapeake Bay water quality standards were implemented. The oligohaline Mattaponi failed the default CB 30-day open water summer and non-summer criteria of 5 mg/L. Water quality standards specific for the Pamunkey and Mattaponi Rivers were adopted after the close of the assessment period and the new criteria will be used in the 2008 cycle. The specific criteria recognize that dissolved oxygen is naturally depressed in the rivers due to their extensive marsh systems. The TMDL is due in 2010.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **Mattaponi River**

TMDL Group ID: **01113**

VAP-F24E_MPN03B02 **Mattaponi River** KING AND QUEEN CO, KING WILLIAM CO — Tidal freshwater/oligohaline boundary to Melrose Landing at Route 602

MPNOH

VA Overall AU Category: **5A**

Use	Impairment	0.42 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Chloride**		01113	**2004**	**2016**	VAP-F24E-02

In 2004, the Mattaponi River from the oligohaline boundary downstream to its mouth (sq. mi.) was assessed as impaired of the Aquatic Life and Wildlife goals based on chloride violations at 8-MPN017.46 and 8-MPN04.39. During the 2006 cycle, there were no chloride violations at 8-MPN017.46, however the impairments continued at the downstream station. The chloride TMDL is due in 2016.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

Wildlife	**Chloride**		01113	**2004**	**2016**	VAP-F24E-02

In 2004, the Mattaponi River from the oligohaline boundary downstream to its mouth (sq. mi.) was assessed as impaired of the Aquatic Life and Wildlife goals based on chloride violations at 8-MPN017.46 and 8-MPN04.39. During the 2006 cycle, there were no chloride violations at 8-MPN017.46, however the impairments continued at the downstream station. The chloride TMDL is due in 2016.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

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VAP-F24E_MPN03C06 **Mattaponi River** KING AND QUEEN CO, KING WILLIAM CO — Melrose Landing (Route 602) to Heartquake Creek.

MPNOH

VA Overall AU Category: **5A**

Use	Impairment	0.72 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Chloride**		01113	**2004**	**2016**	VAP-F24E-02

In 2004, the Mattaponi River from the oligohaline boundary downstream to its mouth (sq. mi.) was assessed as impaired of the Aquatic Life and Wildlife goals based on chloride violations at 8-MPN017.46 and 8-MPN04.39. During the 2006 cycle, there were no chloride violations at 8-MPN017.46, however the impairments continued at the downstream station. The chloride TMDL is due in 2016.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

Wildlife	**Chloride**		01113	**2004**	**2016**	VAP-F24E-02

In 2004, the Mattaponi River from the oligohaline boundary downstream to its mouth (sq. mi.) was assessed as impaired of the Aquatic Life and Wildlife goals based on chloride violations at 8-MPN017.46 and 8-MPN04.39. During the 2006 cycle, there were no chloride violations at 8-MPN017.46, however the impairments continued at the downstream station. The chloride TMDL is due in 2016.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **Mattaponi River**

TMDL Group ID: **01113**

VAP-F25E_MPN05A00 **Mattaponi River** KING AND QUEEN CO, KING WILLIAM CO

From transition zone boundary at Heartquake Creek to VDH-DSS 049-004B, 11/5/2004.

MPNOH

VA Overall AU Category: **5A**

Use	Impairment	1.30 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Chloride**		01113	**2004**	**2016**	VAP-F24E-02

In 2004, the Mattaponi River from the oligohaline boundary downstream to its mouth (sq. mi.) was assessed as impaired of the Aquatic Life and Wildlife goals based on chloride violations at 8-MPN017.46 and 8-MPN04.39. During the 2006 cycle, there were no chloride violations at 8-MPN017.46, however the impairments continued at the downstream station. The chloride TMDL is due in 2016.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

Wildlife	**Chloride**		01113	**2004**	**2016**	VAP-F24E-02

In 2004, the Mattaponi River from the oligohaline boundary downstream to its mouth (sq. mi.) was assessed as impaired of the Aquatic Life and Wildlife goals based on chloride violations at 8-MPN017.46 and 8-MPN04.39. During the 2006 cycle, there were no chloride violations at 8-MPN017.46, however the impairments continued at the downstream station. The chloride TMDL is due in 2016.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

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VAP-F25E_MPN05B06 **Mattaponi River** KING AND QUEEN CO, KING WILLIAM CO

From VDH-SFC 049-004B, 11/5/2004 to the oligohaline/York mesohaline boundary.

MPNOH

VA Overall AU Category: **5A**

Use	Impairment	0.38 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Chloride**		01113	**2004**	**2016**	VAP-F24E-02

In 2004, the Mattaponi River from the oligohaline boundary downstream to its mouth (sq. mi.) was assessed as impaired of the Aquatic Life and Wildlife goals based on chloride violations at 8-MPN017.46 and 8-MPN04.39. During the 2006 cycle, there were no chloride violations at 8-MPN017.46, however the impairments continued at the downstream station. The chloride TMDL is due in 2016.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

Wildlife	**Chloride**		01113	**2004**	**2016**	VAP-F24E-02

In 2004, the Mattaponi River from the oligohaline boundary downstream to its mouth (sq. mi.) was assessed as impaired of the Aquatic Life and Wildlife goals based on chloride violations at 8-MPN017.46 and 8-MPN04.39. During the 2006 cycle, there were no chloride violations at 8-MPN017.46, however the impairments continued at the downstream station. The chloride TMDL is due in 2016.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **Mattaponi River**

TMDL Group ID: **01113**

VAP-F25E_MPN06A04 **Mattaponi River** KING AND QUEEN CO, KING WILLIAM CO

The Mattaponi oligohaline/York mesohaline boundary downstream to mouth at York River.

YRKMH

VA Overall AU Category: **5A**

Use	Impairment	0.21 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Chloride**		01113	**2004**	**2016**	VAP-F24E-02 In 2004, the Mattaponi River from the oligohaline boundary downstream to its mouth was assessed as impaired of the Aquatic Life and Wildlife goals based on chloride violations at 8-MPN017.46 and 8-MPN04.39. During the 2006 cycle, there were no chloride violations at 8-MPN017.46, however the impairments continued at the downstream station. The chloride TMDL is due in 2016.
		Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed				
Wildlife	**Chloride**		01113	**2004**	**2016**	VAP-F24E-02 In 2004, the Mattaponi River from the oligohaline boundary downstream to its mouth was assessed as impaired of the Aquatic Life and Wildlife goals based on chloride violations at 8-MPN017.46 and 8-MPN04.39. During the 2006 cycle, there were no chloride violations at 8-MPN017.46, however the impairments continued at the downstream station. The chloride TMDL is due in 2016.
		Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed				

VAP-F25E_MPN06B06 **Mattaponi River** KING AND QUEEN CO, KING WILLIAM CO

DS of VDH-DSS condemnation 049-004C to mouth at York River.

YRKMH

VA Overall AU Category: **5A**

Use	Impairment	0.64 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Chloride**		01113	**2004**	**2016**	VAP-F24E-02 In 2004, the Mattaponi River from the oligohaline boundary downstream to its mouth was assessed as impaired of the Aquatic Life and Wildlife goals based on chloride violations at 8-MPN017.46 and 8-MPN04.39. During the 2006 cycle, there were no chloride violations at 8-MPN017.46, however the impairments continued at the downstream station. The chloride TMDL is due in 2016.
		Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed				
Wildlife	**Chloride**		01113	**2004**	**2016**	VAP-F24E-02 In 2004, the Mattaponi River from the oligohaline boundary downstream to its mouth was assessed as impaired of the Aquatic Life and Wildlife goals based on chloride violations at 8-MPN017.46 and 8-MPN04.39. During the 2006 cycle, there were no chloride violations at 8-MPN017.46, however the impairments continued at the downstream station. The chloride TMDL is due in 2016.
		Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed				

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **Mattaponi River**

TMDL Group ID: **01124**

VAP-F25E_MPN06A04 — **Mattaponi River** — KING AND QUEEN CO, KING WILLIAM CO

The Mattaponi oligohaline/York mesohaline boundary downstream to mouth at York River.

YRKMH

VA Overall AU Category: **5A**

Use	Impairment	0.21 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Estuarine Bioassessments**		01124	**2004**	**2016**	VAP-F25E-03 B-IBI segment YRKMHa has been considered impaired in the 2004 and 2006 cycles. The source of the impairment is considered unknown.

Sources: Source Unknown

VAP-F25E_MPN06B06 — **Mattaponi River** — KING AND QUEEN CO, KING WILLIAM CO

DS of VDH-DSS condemnation 049-004C to mouth at York River.

YRKMH

VA Overall AU Category: **5A**

Use	Impairment	0.64 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Estuarine Bioassessments**		01124	**2004**	**2016**	VAP-F25E-03 B-IBI segment YRKMHa has been considered impaired in the 2004 and 2006 cycles. The source of the impairment is considered unknown.

Sources: Source Unknown

TMDL Group ID: **10017**

VAP-F23E_MPN02A98 — **Mattaponi River** — KING AND QUEEN CO, KING WILLIAM CO

From the limit of tide above the Route 360 bridge to Aylett Creek.

MPNTF

VA Overall AU Category: **5A**

Use	Impairment	0.16 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		10017	**2006**	**2018**	VAP-F23R-06 (PCBs) The VDH issued a fish consumption advisory on 12/13/2004 for PCBs in the Mattaponi River from Herring Creek to Aylett Creek. The advisory recommends that adults eat no more than 2 meals/month of anadromous striped bass, white perch, and gizzard shad.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **Mattaponi River**

TMDL Group ID: **10017**

VAP-F23R_MPN01A00	Mattaponi River	KING AND QUEEN CO KING WILLIAM CO	From the watershed boundary (Herring Creek) to the limit of tide near the Route 360 bridge.

VA Overall AU Category: **5A**

Use	Impairment	4.72 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		10017	**2002**	**2018**	VAP-F23R-06

During the 2006 cycle, the 2003 monitoring indicated exceedances of the fish tissue level for PCBs in 2 species (impaired). In addition, the VDH issued a fish consumption advisory for PCBs from Herring Creek to Aylett Creek which recommends that adults eat no more than 2 meals/month of anadromous striped bass, white perch, and gizzard shad.

Sources: Source Unknown

TMDL Group ID: **10018**

VAP-F23E_MPN02A98	Mattaponi River	KING AND QUEEN CO KING WILLIAM CO	From the limit of tide above the Route 360 bridge to Aylett Creek. MPNTF

VA Overall AU Category: **5A**

Use	Impairment	0.16 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**Mercury in Fish Tissue**		10018	**2006**	**2018**	VAP-F23R-05

During the 2006 cycle, 2003 fish tissue monitoring at 8-MPN029.08 indicated exceedance of the mercury screening value. Also, the VDH issued a fish consumption advisory in 2004 for mercury from the Route 628 bridge downstream about 40 miles to Melrose Landing at Rt. 602. The advisory recommends that adults eat no more than 2 meals/month of largemouth bass.

Sources: Atmospheric Deposition - Toxics
Source Unknown

VAP-F23E_MPN03A06	Mattaponi River	KING AND QUEEN CO KING WILLIAM CO	Aylett Creek to Garnetts Creek. MPNTF

VA Overall AU Category: **5A**

Use	Impairment	1.71 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**Mercury in Fish Tissue**		10018	**2006**	**2018**	VAP-F23R-05

During the 2006 cycle, 2003 fish tissue monitoring at 8-MPN029.08 indicated exceedance of the mercury screening value. Also, the VDH issued a fish consumption advisory in 2004 for mercury from the Route 628 bridge downstream about 40 miles to Melrose Landing at Rt. 602. The advisory recommends that adults eat no more than 2 meals/month of largemouth bass.

Sources: Atmospheric Deposition - Toxics
Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **Mattaponi River**

TMDL Group ID: **10018**

VAP-F23R_MPN01A00 — **Mattaponi River** — KING AND QUEEN CO, KING WILLIAM CO — From the watershed boundary (Herring Creek) to the limit of tide near the Route 360 bridge.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**Mercury in Fish Tissue**	4.72 MILES	10018	**2006**	**2018**	VAP-F23R-05

During the 2006 cycle, the 2003 monitoring indicated 2 exceedances of the mercury screening value (observed effect). In addition, the VDH issued a fish consumption advisory in 2004 for mercury from the Route 628 bridge downstream about 40 miles to Melrose Landing at Rt. 602. The advisory recommends that adults eat no more than 2 meals/month of largemouth bass.

Sources: Source Unknown

VAP-F24E_MPN03A98 — **Mattaponi River** — KING AND QUEEN CO, KING WILLIAM CO — Garnetts Creek to tidal freshwater/oligohaline boundary at approximately river mile 18

MPNTF

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**Mercury in Fish Tissue**	1.15 SQUARE MILES	10018	**2006**	**2018**	VAP-F23R-05

The VDH issued a fish consumption advisory in 2004 for mercury from the Route 628 bridge downstream about 40 miles to Melrose Landing at Rt. 602. The advisory recommends that adults eat no more than 2 meals/month of largemouth bass.

Sources: Atmospheric Deposition - Toxics
Source Unknown

VAP-F24E_MPN03B02 — **Mattaponi River** — KING AND QUEEN CO, KING WILLIAM CO — Tidal freshwater/oligohaline boundary to Melrose Landing at Route 602

MPNOH

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**Mercury in Fish Tissue**	0.42 SQUARE MILES	10018	**2006**	**2018**	VAP-F23R-05

The VDH issued a fish consumption advisory in 2004 for mercury from the Route 628 bridge downstream about 40 miles to Melrose Landing at Rt. 602. The advisory recommends that adults eat no more than 2 meals/month of largemouth bass.

Sources: Atmospheric Deposition - Toxics
Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **Mattaponi River**

TMDL Group ID: **10089**

VAP-F24E_MPN03A98	Mattaponi River	KING AND QUEEN CO KING WILLIAM CO	Garnetts Creek to tidal freshwater/oligohaline boundary at approximately river mile 18 MPNTF

VA Overall AU Category: **5A**

Use	Impairment	1.15 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		10089	**2006**	**2018**	VAP-F24E-01

The Mattaponi River from Garnetts Creek downstream to the oligohaline boundary was considered impaired of the Aquatic Life Use in 2006 based on a pH violation rate of 2/16 at 8-MPN017.45. There is only low confidence in the impairment in this segment due to an acceptable violation rate at 8-MPN017.46, however the Mattaponi River upstream of Garnetts Creek has confirmed pH violations due to natural marsh conditions. Further monitoring at this station is recommended to confirm the impairment in this portion of the Mattaponi.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

TMDL Group ID: **10090**

VAP-F25E_MPN05A00	Mattaponi River	KING AND QUEEN CO KING WILLIAM CO	From transition zone boundary at Heartquake Creek to VDH-DSS 049-004B, 11/5/2004. MPNOH

VA Overall AU Category: **5A**

Use	Impairment	1.30 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Enterococcus**		10090	**2006**	**2018**	VAP-F25E-01

The Mattaponi from the transitional boundary downstream to its mouth was assessed as not supporting the Recreation Use based on an enterococci violation rate of 2/6 at 8-MPN004.39 during the 2006 cycle. Further monitoring is recommended to confirm the impairment because the fecal coliform violation rate was acceptable (0/59).

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **Mattaponi River**

TMDL Group ID: **10090**

VAP-F25E_MPN05B06 — **Mattaponi River** — KING AND QUEEN CO, KING WILLIAM CO

From VDH-SFC 049-004B, 11/5/2004 to the oligohaline/York mesohaline boundary.

MPNOH

VA Overall AU Category: **5A**

Use	Impairment	0.38 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Enterococcus**		10090	**2006**	**2018**	VAP-F25E-01

The Mattaponi from the transitional boundary downstream to its mouth was assessed as not supporting the Recreation Use based on an enterococci violation rate of 2/6 at 8-MPN004.39 during the 2006 cycle. Further monitoring is recommended to confirm the impairment because the fecal coliform violation rate was acceptable (0/59).

Sources: Source Unknown

VAP-F25E_MPN06A04 — **Mattaponi River** — KING AND QUEEN CO, KING WILLIAM CO

The Mattaponi oligohaline/York mesohaline boundary downstream to mouth at York River.

YRKMH

VA Overall AU Category: **5A**

Use	Impairment	0.21 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Enterococcus**		10090	**2006**	**2018**	VAP-F25E-01

The Mattaponi from the transitional boundary downstream to its mouth was assessed as not supporting the Recreation Use based on an enterococci violation rate of 2/6 at 8-MPN004.39 during the 2006 cycle. Further monitoring is recommended to confirm the impairment because the fecal coliform violation rate was acceptable (0/59).

Sources: Source Unknown

VAP-F25E_MPN06B06 — **Mattaponi River** — KING AND QUEEN CO, KING WILLIAM CO

DS of VDH-DSS condemnation 049-004C to mouth at York River.

YRKMH

VA Overall AU Category: **5A**

Use	Impairment	0.64 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Enterococcus**		10090	**2006**	**2018**	VAP-F25E-01

The Mattaponi from the transitional boundary downstream to its mouth was assessed as not supporting the Recreation Use based on an enterococci violation rate of 2/6 at 8-MPN004.39 during the 2006 cycle. Further monitoring is recommended to confirm the impairment because the fecal coliform violation rate was acceptable (0/59).

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **Mattaponi River**

TMDL Group ID: **10091**

VAP-F25E_MPN05B06 **Mattaponi River** KING AND QUEEN CO, KING WILLIAM CO

From VDH-SFC 049-004B, 11/5/2004 to the oligohaline/York mesohaline boundary.

MPNOH

VA Overall AU Category: **5A**

Use	Impairment	0.38 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		10091	**2006**	**2018**	VAP-F25E-02 VDH Shellfish Condemnation 049-004B, 11/5/2004

Sources: Source Unknown

VAP-F25E_ZZZ02A06 **Unsegmented estuaries in F25** KING AND QUEEN CO, KING WILLIAM CO

Unsegmented portion of the watershed within SFC 049-004B, 11/5/2004.

MPNOH

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		10091	**2006**	**2018**	VAP-F25E-02 VDH-DSS Condemnation 049-004B, 11/5/2004

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **Mattaponi River**

TMDL Group ID: **10092**

VAP-F25E_MPN06A04	**Mattaponi River**	KING AND QUEEN CO KING WILLIAM CO	The Mattaponi oligohaline/York mesohaline boundary downstream to mouth at York River. YRKMH

VA Overall AU Category: **5A**

Use	Impairment	0.21 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10092	**2006**	**2010**	VAP-F23E-03 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The York Mesohaline segment, which includes the mouths of the Pamunkey and Mattaponi rivers, failed the CB 30 day open water dissolved oxygen criteria.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**	10092	**2006**	**2010**	VAP-F23E-03 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The York Mesohaline segment, which includes the mouths of the Pamunkey and Mattaponi rivers, failed the SAV acreage goals.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **Mattaponi River**

TMDL Group ID: **10092**

VAP-F25E_MPN06B06	**Mattaponi River**	KING AND QUEEN CO KING WILLIAM CO	DS of VDH-DSS condemnation 049-004C to mouth at York River. YRKMH

VA Overall AU Category: **5A**

Use	Impairment	0.64 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10092	**2006**	**2010**	VAP-F23E-03 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The York Mesohaline segment, which includes the mouths of the Pamunkey and Mattaponi rivers, failed the CB 30 day open water dissolved oxygen criteria.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10092	**2006**	**2010**	VAP-F23E-03 During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The York Mesohaline segment, which includes the mouths of the Pamunkey and Mattaponi rivers, failed the SAV acreage goals.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **Mattaponi River**

TMDL Group ID: **10092**

VAP-F25E_ZZZ03A06	Unsegmented estuaries in F25	KING AND QUEEN CO KING WILLIAM CO	Unsegmented portion of the watershed within SFC 049-004C, 11/5/2004. YRKMH

VA Overall AU Category: **5A**

Use	Impairment	0.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10092	**2006**	**2010**	VAP-F23E-03 During the 2006 cycle, the Chesapeake Bay water quality standards were implemented. The mesohaline York (which includes the mouths of the Pamunkey and Mattaponi Rivers) failed the default CB 30-day open water summer criteria and the SAV acreage requirements. The TMDL is due in 2010.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10092	**2006**	**2010**	VAP-F23E-03 During the 2006 cycle, the Chesapeake Bay water quality standards were implemented. The mesohaline York (which includes the mouths of the Pamunkey and Mattaponi Rivers) failed the default CB 30-day open water summer criteria and the SAV acreage requirements. The TMDL is due in 2010.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **Mattaponi River**

TMDL Group ID: **60104**

VAN-F17R_MPN02A02	Mattaponi River	CAROLINE CO	Segment begins at the confluence with Campbell Creek and continues downstream until the confluence with the South River.

VA Overall AU Category: **5A**

Use	Impairment	5.90 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		60104	**2006**	**2018**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (2 of 14 samples - 14.3%) were recorded at DEQ's ambient water quality monitoring station (8-MPN094.79) at the Route 605 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sources: Source Unknown

TMDL Group ID: **60117**

VAN-F17R_MPN02A02	Mattaponi River	CAROLINE CO	Segment begins at the confluence with Campbell Creek and continues downstream until the confluence with the South River.

VA Overall AU Category: **5A**

Use	Impairment	5.90 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		60117	**2006**	**2018**	Sufficient excursions from the pH water quality criteria were recorded at the DEQ water quality monitoring station (8-MPN094.79) at the Route 605 bridge to assess this segment as not supporting of the Clean Water Act's (CWA's) Aquatic Life Use goal. Five of 30 samples (16.7%) were below the lower range (6.0 SU) of the pH water quality criteria for Class III waters as established in 9 VAC 25-260-50 of the Virginia Water Quality Standards.

Sources: Source Unknown

TMDL Watershed Name: **Mechumps Creek**

TMDL Group ID: **10016**

VAP-F12R_MCP03A06	Mechumps Creek	HANOVER CO	Mechumps Creek from its headwaters downstream to the confluence with XEG.

VA Overall AU Category: **5A**

Use	Impairment	1.03 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		10016	**2006**	**2018**	VAP-F12R-05 During the 2006 cycle, the pH violation rate at 8-MCP009.56 was 4/17.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **Monquin Creek**

TMDL Group ID: **00247**

VAP-F13R_MNQ01A98	Monquin Creek	KING WILLIAM CO	From the headwaters of Webb Creek downstream to the swampy area on Monquin Creek around river mile 2.

VA Overall AU Category: **5A**

Use	Impairment	11.83 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00247	**2006**	**2014**	VAP-F13R-04

In 1998, Moncuin Creek was assessed as fully supporting but threatened of the Recreation use because of fecal coliform violations at the Route 618 bridge.

In the 2002 cycle, the segment was extended to incorporate the station on Webb Creek and was assessed not supporting of the Aquatic Life and Recreation Uses because of fecal coliform and pH exceedances. The TMDLs are due in 2014.

During the 2006 cycle, the segment remained impaired for pH and the bacteria impairment was converted to E. coli. The TMDL is currently under development.

E. coli 4/21 at 8-MNQ004.19 (Rt. 618)
pH 5/33 at the 8-MNQ004.19;
pH 1/1 at 8-WEB002.00 (1995 study)

Sources: Source Unknown

TMDL Group ID: **01106**

VAP-F13R_MNQ01A98	Monquin Creek	KING WILLIAM CO	From the headwaters of Webb Creek downstream to the swampy area on Monquin Creek around river mile 2.

VA Overall AU Category: **5A**

Use	Impairment	11.83 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		01106	**2002**	**2014**	VAP-F13R-04

In 1998, Moncuin Creek was assessed as fully supporting but threatened of the Recreation use because of fecal coliform violations at the Route 618 bridge.

In the 2002 cycle, the segment was extended to incorporate the station on Webb Creek and was assessed not supporting of the Aquatic Life and Recreation Uses because of fecal coliform and pH exceedances. The TMDLs are due in 2014.

During the 2006 cycle, the segment remained impaired for pH and the bacteria impairment was converted to E. coli. The TMDL is currently under development.

E. coli 4/21 at 8-MNQ004.19 (Rt. 618)
pH 5/33 at the 8-MNQ004.19;
pH 1/1 at 8-WEB002.00 (1995 study)

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **Newfound River**

TMDL Group ID: **01098**

VAP-F05R_NFD01A00	Newfound River	HANOVER CO	Mainstem downstream of Needstan Creek.

VA Overall AU Category: **5A**

Use	Impairment	10.61 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		01098	**2004**	**2016**	VAP-F05R-01 (01098) During the 2004 cycle, the segment was assessed not supporting of the Recreation Use based on a fecal coliform violation rate of 5/18 at the Route 667 bridge (8-NFD002.26). No new data has been collected since 2001.

Sources: Source Unknown

TMDL Watershed Name: **Ni River**

TMDL Group ID: **00857**

VAN-F15R_NIR01A00	Ni River	CAROLINE CO SPOTSYLVANIA CO	Segment begins at the confluence of an unnamed tributary to the Ni River, approximately 0.95 rivermiles downstream from the Route 608 bridge, and continues downstream until the confluence with the Po River, forming the Poni River.

VA Overall AU Category: **5C**

Use	Impairment	5.42 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		00857	**2004**	**2016**	Sufficient exceedances of the instantaneous pH criterion (3 of 23 samples - 13.0%) were recorded at DEQ's ambient water quality monitoring station (8-NIR003.96) at the Route One bridge to assess this stream segment as not supporting of the aquatic life use goal for the 2006 water quality assessment. The three values were below the lower range (6.0 SU) of the pH water quality criteria for Class III waters as established in 9 VAC 25-260-50 of the Virginia Water Quality Standards.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

TMDL Watershed Name: **North Anna River**

TMDL Group ID: **60101**

VAN-F06R_NAR01A02	North Anna River	LOUISA CO ORANGE CO	Segment begins at the confluence with Beaver Creek and continues downstream until the confluence with Hickory Creek.

VA Overall AU Category: **5A**

Use	Impairment	3.07 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		60101	**2006**	**2018**	Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (2 of 12 samples - 16.7%) were recorded at DEQ's ambient water quality monitoring station (8-NAR061.09) at the Route 651 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **Northeast Creek**

TMDL Group ID: **00211**

VAP-F09R_NST01A98	Northeast Creek	SPOTSYLVANIA CO	Headwaters to mouth Segment extended during the 2006 cycle.

VA Overall AU Category: **5A**

Use	Impairment (18.04 MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	00211	**2006**	**2014**	VAP-F09R-01 During the 2002 cycle, the segment was assessed not supporting of the Recreation Use because of fecal coliform impairments at the Route 622 bridge (8-NST003.46). During the 2006 cycle, additional monitoring was conducted in the watershed. The segment was extended to incorporate all of Northeast Creek and remains impaired for E. coli coliform and now E. coli, based on sampling at 8-NST003.46 and violations at the TMDL stations. The TMDL for bacteria is in 2014.
	Sources: Source Unknown				
Recreation	**Fecal Coliform**	00211	**2002**	**2014**	VAP-F09R-01 During the 2002 cycle, the segment was assessed not supporting of the Recreation Use because of fecal coliform impairments at the Route 622 bridge (8-NST003.46). During the 2006 cycle, additional monitoring was conducted in the watershed. The segment was extended to incorporate all of Northeast Creek and remains impaired for E. coli coliform and now E. coli, based on sampling at 8-NST003.46 and violations at the TMDL stations. The TMDL for bacteria is in 2014.
	Sources: Source Unknown				

TMDL Group ID: **01100**

VAP-F09R_NST01A98	Northeast Creek	SPOTSYLVANIA CO	Headwaters to mouth Segment extended during the 2006 cycle.

VA Overall AU Category: **5A**

Use	Impairment (18.04 MILES)	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**	01100	**2004**	**2014**	VAP-F09R-01 01100 (pH) Northeast Creek was originally considered impaired for pH in 2004. The TMDL is due in 2016. During the 2006 cycle, additional monitoring was conducted in the watershed. The segment was extended to incorporate all of Northeast Creek and remains impaired for pH based on sampling at 8-NST003.46 and violations at the TMDL stations. 8-NST003.46 (A ,TM) Monitored by NVRO. 8-NST000.58 (TM) 8-NST003.46 (TM) 8-NST007.84 (TM) 8-NST011.67 ™
	Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed				

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **Pamunkey & Mattaponi River (YRKMH)**

TMDL Group ID: **10088**

VAP-F14E_PMK07A04	Pamunkey River	KING WILLIAM CO NEW KENT CO	Mesohaline boundary to mouth YRKMH

VA Overall AU Category: **5A**

Use	Impairment	0.39 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10088	**2006**	**2010**	VAP-F14E-05 During the 2006 cycle, the new Chesapeake Bay water quality standards were adopted. The mesohaline York segment (which includes the mouths of the Pamunkey and Mattaponi Rivers) failed the Shallow Water SAV acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**	10088	**2006**	**2010**	VAP-F14E-05 During the 2006 cycle, the new Chesapeake Bay water quality standards were adopted. The mesohaline York segment (which includes the mouths of the Pamunkey and Mattaponi Rivers) failed the Shallow Water SAV acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **Pamunkey & Mattaponi River (YRKMH)**

TMDL Group ID: **10088**

VAP-F14E_ZZZ03A06	Unsegmented estuaries in F14	KING WILLIAM CO NEW KENT CO	Unsegmented portion of the watershed within SFC 004A & YRKMH

VA Overall AU Category: **5A**

Use	Impairment	0.08 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		10088	**2006**	**2010**	VAP-F14E-05 During the 2006 cycle, the new Chesapeake Bay water quality standards were adopted. The mesohaline York segment (which includes the mouths of the Pamunkey and Mattaponi Rivers) failed the CB 30-day open water summer dissolved oxygen criteria and the Shallow Water SAV acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		10088	**2006**	**2010**	VAP-F14E-05 During the 2006 cycle, the new Chesapeake Bay water quality standards were adopted. The mesohaline York segment (which includes the mouths of the Pamunkey and Mattaponi Rivers) failed the CB 30-day open water summer dissolved oxygen criteria and the Shallow Water SAV acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **Pamunkey and Mattaponi Rivers**

TMDL Group ID: **10087**

VAP-F14E_PMK06B06 — **Pamunkey River** — KING WILLIAM CO, NEW KENT CO — VDH-DSS SFC 004A to mesohaline boundary; PMKOH

VA Overall AU Category: **5A**

Use	Impairment	0.59 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		10087	**2006**	**2018**	VAP-F14E-04 Portion of VDH-DSS SFC 049-004A, 11/5/2004

Sources: Source Unknown

VAP-F14E_PMK07A04 — **Pamunkey River** — KING WILLIAM CO, NEW KENT CO — Mesohaline boundary to mouth; YRKMH

VA Overall AU Category: **5A**

Use	Impairment	0.39 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		10087	**2006**	**2018**	VAP-F14E-04 Portion of VDH-DSS SFC 049-004A, 11/5/2004

Sources: Source Unknown

VAP-F14E_ZZZ02B06 — **Unsegmented estuaries in F14** — KING WILLIAM CO, NEW KENT CO — Unsegmented portion of the watershed within SFC 004A & PMKOH

VA Overall AU Category: **5A**

Use	Impairment	0.06 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		10087	**2006**	**2018**	VAP-F14E-04 Portion of VDH-DSS shellfish condemnation 049-004A, 11/5/2004

Sources: Source Unknown

VAP-F14E_ZZZ03A06 — **Unsegmented estuaries in F14** — KING WILLIAM CO, NEW KENT CO — Unsegmented portion of the watershed within SFC 004A & YRKMH

VA Overall AU Category: **5A**

Use	Impairment	0.08 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		10087	**2006**	**2018**	VAP-F14E-04 Portion of VDH-DSS shellfish condemnation 049-004A, 11/5/2004

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **Pamunkey and Mattaponi Rivers**

TMDL Group ID: **10087**

VAP-F25E_MPN06B06 **Mattaponi River** KING AND QUEEN CO, KING WILLIAM CO — DS of VDH-DSS condemnation 049-004C to mouth at York River.

YRKMH

VA Overall AU Category: **5A**

Use	Impairment	0.64 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		10087	**2006**	**2018**	VAP-F14E-04 (SF) Portion of VDH-DSS condemnation 049-004A, 11/5/2004

Sources: Source Unknown

TMDL Watershed Name: **Pamunkey River**

TMDL Group ID: **01112**

VAP-F14E_PMK06A00 **Pamunkey River** KING WILLIAM CO, NEW KENT CO — Sweet Hall Landing to upstream boundary of VDH-DSS SFC 049-004, 00/5/2004

PMKOH

VA Overall AU Category: **5A**

Use	Impairment	3.40 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Chloride**		01112	**2004**	**2016**	VAP-F14E-02 The Pamunkey River from Sweet Hall Landing to the mouth was assessed not supporting of the Aquatic Life and Wildlife uses based on chloride violations at 8-PMK006.36. The TMDL is due in 2016.
						Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed
Wildlife	**Chloride**		01112	**2004**	**2016**	VAP-F14E-02 The Pamunkey River from Sweet Hall Landing to the mouth was assessed not supporting of the Aquatic Life and Wildlife uses based on chloride violations at 8-PMK006.36. The TMDL is due in 2016.
						Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **Pamunkey River**

TMDL Group ID: **01112**

VAP-F14E_PMK06B06 **Pamunkey River** KING WILLIAM CO, NEW KENT CO — VDH-DSS SFC 004A to mesohaline boundary

PMKOH

VA Overall AU Category: **5A**

Use	Impairment	0.59 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Chloride**		01112	**2004**	**2016**	VAP-F14E-02 The Pamunkey River from Sweet Hall Landing to the mouth was assessed not supporting of the Aquatic Life and Wildlife uses based on chloride violations at 8-PMK006.36. The TMDL is due in 2016.
		Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed				
Wildlife	**Chloride**		01112	**2004**	**2016**	VAP-F14E-02 The Pamunkey River from Sweet Hall Landing to the mouth was assessed not supporting of the Aquatic Life and Wildlife uses based on chloride violations at 8-PMK006.36. The TMDL is due in 2016.
		Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed				

VAP-F14E_PMK07A04 **Pamunkey River** KING WILLIAM CO, NEW KENT CO — Mesohaline boundary to mouth

YRKMH

VA Overall AU Category: **5A**

Use	Impairment	0.39 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Chloride**		01112	**2004**	**2016**	VAP-F14E-02 The Pamunkey River from Sweet Hall Landing to the mouth was assessed not supporting of the Aquatic Life and Wildlife uses based on chloride violations at 8-PMK006.36. The TMDL is due in 2016.
		Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed				
Wildlife	**Chloride**		01112	**2004**	**2016**	VAP-F14E-02 The Pamunkey River from Sweet Hall Landing to the mouth was assessed not supporting of the Aquatic Life and Wildlife uses based on chloride violations at 8-PMK006.36. The TMDL is due in 2016.
		Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed				

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **Pamunkey River**

TMDL Group ID: **01114**

VAP-F14E_PMK07A04 **Pamunkey River** KING WILLIAM CO, NEW KENT CO — Mesohaline boundary to mouth

YRKMH

VA Overall AU Category: **5A**

Use	Impairment	0.39 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Estuarine Bioassessments**		01114	**2004**	**2016**	VAP-F14E-06

B-IBI segment YRKMHa was initially assessed as impaired during the 2004 cycle. During the 2006 cycle, the segment remained impaired. The source of the impairment is unknown. The TMDL is due in 2016.

Sources: Source Unknown

TMDL Group ID: **10015**

VAP-F13E_PMK01A98 **Pamunkey River** HANOVER CO, KING WILLIAM CO — Totopotomoy Creek (extent of tide) to Pampatike Landing.

PMKTF

VA Overall AU Category: **5A**

Use	Impairment	0.42 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**Mercury in Fish Tissue**		10015	**2006**	**2018**	VAP-F13R-13

A VDH Fish Consumption Advisory was issued on 9/30/2004 for mercury in blue catfish from Route 615 (Nelson Bridge Road) to the confluence with Jacks Creek near Liberty Hall. It is recommended that no more than 2 meals per month be eaten.

Sources: Atmospheric Deposition - Toxics
Source Unknown

VAP-F13E_PMK02A98 **Pamunkey River** HANOVER CO, NEW KENT CO — Pampatike Landing downstream to Jacks Creek.

PMKTF

VA Overall AU Category: **5A**

Use	Impairment	0.82 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**Mercury in Fish Tissue**		10015	**2006**	**2018**	VAP-F13R-13

A VDH Fish Consumption Advisory was issued on 9/30/2004 for mercury in blue catfish from Route 615 (Nelson Bridge Road) to the confluence with Jacks Creek near Liberty Hall. It is recommended that no more than 2 meals per month be eaten.

Sources: Atmospheric Deposition - Toxics
Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **Pamunkey River**

TMDL Group ID: **10015**

VAP-F13R_PMK01A98 **Pamunkey River** HANOVER CO, KING WILLIAM CO

From Nelson Bridge Road (Rt. 615) in F12 to Totopotomoy Cr (limit of tide)

Segment extended in 2006

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**Mercury in Fish Tissue**	12.22 MILES	10015	**2006**	**2018**	VAP-F13R-13

A VDH Fish Consumption Advisory was issued on 9/30/2004 for mercury in blue catfish from Route 615 (Nelson Bridge Road) to the confluence with Jacks Creek near Liberty Hall. It is recommended that no more than 2 meals per month be eaten.

Sources: Atmospheric Deposition - Toxics
Source Unknown

TMDL Group ID: **10085**

VAP-F14E_PMK05B00 **Pamunkey River** KING WILLIAM CO, NEW KENT CO

Tidal freshwater/oligohaline boundary at approximately river mile 23.6 downstream to Sweet Hall Landing.

PMKOH

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Estuarine Bioassessments**	1.31 SQUARE MILES	10085	**2006**	**2018**	VAP-F14E-01

B-IBI segment PMKOHa is impaired during the 2006 cycle. The discriminant analysis tool attributed the benthic alteration o sediment contamination. The TMDL is due in 2018.

Sources: Contaminated Sediments

VAP-F14E_PMK06A00 **Pamunkey River** KING WILLIAM CO, NEW KENT CO

Sweet Hall Landing to upstream boundary of VDH-DSS SFC 049-004, 00/5/2004

PMKOH

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Estuarine Bioassessments**	3.40 SQUARE MILES	10085	**2006**	**2018**	VAP-F14E-01

B-IBI segment PMKOHa is impaired during the 2006 cycle. The suspected source was attributed to sediment contamination. The TMDL is due in 2018.

Sources: Contaminated Sediments

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **Pamunkey River**

TMDL Group ID: **10085**

VAP-F14E_PMK06B06	Pamunkey River	KING WILLIAM CO NEW KENT CO	VDH-DSS SFC 004A to mesohaline boundary PMKOH

VA Overall AU Category: **5A**

Use	Impairment	0.59 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Estuarine Bioassessments**		10085	**2006**	**2018**	VAP-F14E-01 B-IBI segment PMKOHa is impaired during the 2006 cycle. The suspected source was attributed to sediment contamination. The TMDL is due in 2018.

Sources: Contaminated Sediments

TMDL Group ID: **10086**

VAP-F14E_PMK06A00	Pamunkey River	KING WILLIAM CO NEW KENT CO	Sweet Hall Landing to upstream boundary of VDH-DSS SFC 049-004, 00/5/2004 PMKOH

VA Overall AU Category: **5A**

Use	Impairment	3.40 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Enterococcus**		10086	**2006**	**2018**	VAP-F14E-03 The segment was considered impaired of the Recreation Use during the 2006 cycle due to an enterococci violation rate of 12/27 at 8-PMK006.36.

Sources: Source Unknown

VAP-F14E_PMK06B06	Pamunkey River	KING WILLIAM CO NEW KENT CO	VDH-DSS SFC 004A to mesohaline boundary PMKOH

VA Overall AU Category: **5A**

Use	Impairment	0.59 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Enterococcus**		10086	**2006**	**2018**	VAP-F14E-03 The segment was considered impaired of the Recreation Use during the 2006 cycle due to an enterococci violation rate of 12/27 at 8-PMK006.36.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **Pamunkey River**

TMDL Group ID: **10086**

VAP-F14E_PMK07A04	**Pamunkey River**	KING WILLIAM CO NEW KENT CO	Mesohaline boundary to mouth YRKMH

VA Overall AU Category: **5A**

Use	Impairment	0.39 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Enterococcus**		10086	**2006**	**2018**	VAP-F14E-03 The Pamunkey River from Sweet Hall Landing to its mouth is considered impaired of the Recreation Use during the 2006 cycle due to an enterococci violation rate of 12/27 at 8-PMK006.36.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **Pamunkey River (PMKOH)**

TMDL Group ID: **01772**

VAP-F14E_PMK05B00	**Pamunkey River**	KING WILLIAM CO NEW KENT CO	Tidal freshwater/oligohaline boundary at approximately river mile 23.6 downstream to Sweet Hall Landing. PMKOH

VA Overall AU Category: **5A**

Use	Impairment	1.31 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01772	**1998**	**2010**	VAP-F14E-01

The tidal Pamunkey River was initially listed on the 1998 303(d) list as fully supporting but threatened of the aquatic life use goal because a 1995 special study showed river subject to 33% violation rate of daily mean DO standard during warm weather conditions May through October. The estuarine Pamunkey River is considered fully allocated relative to dissolved oxygen. New discharges cannot result in further DO depression.

The Chesapeake Bay and its tidal tributaries were added by EPA to the 1998 303(d) list. EPA listed the impairment as dissolved oxygen violations caused by nutrient overenrichment. This listing included the entire mainstem estuarine Pamunkey River.

During the year 2004 cycle, the DO violation rate was 0/47 at 8-PMK048.80, 0/48 at 8-PMK006.36, 0/213 at 8-PMK034.17, 0/48 at 8-PMK056.87, and 10/200 at 8-PMK006.36. No chlorophyll A violations were recorded.

However, during the 2006 cycle, the new Chesapeake Bay water quality standards were adopted. The oligohaline Pamunkey segment failed the default CB 30-day open water summer dissolved oxygen criteria of 5 mg/L. Water quality standards specific for the Pamunkey and Mattaponi Rivers were adopted after the close of the assessment period and the new criteria will be used in the 2008 cycle. The specific criteria recognize that dissolved oxygen is naturally depressed in the rivers due to their extensive marsh systems.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **Pamunkey River (PMKOH)**

TMDL Group ID: **01772**

Open-Water Aquatic Life	**Oxygen, Dissolved**	01772	**1998**	**2010**	VAP-F14E-01

The tidal Pamunkey River was initially listed on the 1998 303(d) list as fully supporting but threatened of the aquatic life use goal because a 1995 special study showed river subject to 33% violation rate of daily mean DO standard during warm weather conditions May through October. The estuarine Pamunkey River is considered fully allocated relative to dissolved oxygen. New discharges cannot result in further DO depression.

The Chesapeake Bay and its tidal tributaries were added by EPA to the 1998 303(d) list. EPA listed the impairment as dissolved oxygen violations caused by nutrient overenrichment. This listing included the entire mainstem estuarine Pamunkey River.

During the year 2004 cycle, the DO violation rate was 0/47 at 8-PMK048.80, 0/48 at 8-PMK006.36, 0/213 at 8-PMK034.17, 0/48 at 8-PMK056.87, and 10/200 at 8-PMK006.36. No chlorophyll A violations were recorded.

However, during the 2006 cycle, the new Chesapeake Bay water quality standards were adopted. The oligohaline Pamunkey segment failed the default CB 30-day open water summer dissolved oxygen criteria of 5 mg/L. Water quality standards specific for the Pamunkey and Mattaponi Rivers were adopted after the close of the assessment period and the new criteria will be used in the 2008 cycle. The specific criteria recognize that dissolved oxygen is naturally depressed in the rivers due to their extensive marsh systems.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
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Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **Pamunkey River (PMKOH)**

TMDL Group ID: **01772**

VAP-F14E_PMK06A00	**Pamunkey River**	KING WILLIAM CO NEW KENT CO	Sweet Hall Landing to upstream boundary of VDH-DSS SFC 049-004, 00/5/2004 PMKOH

VA Overall AU Category: **5A**

Use	Impairment	3.40 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01772	**1998**	**2010**	VAP-F14E-01

The tidal Pamunkey River was initially listed on the 1998 303(d) list as fully supporting but threatened of the aquatic life use goal because a 1995 special study showed river subject to 33% violation rate of daily mean DO standard during warm weather conditions May through October. The estuarine Pamunkey River is considered fully allocated relative to dissolved oxygen. New discharges cannot result in further DO depression.

The Chesapeake Bay and its tidal tributaries were added by EPA to the 1998 303(d) list. EPA listed the impairment as dissolved oxygen violations caused by nutrient overenrichment. This listing included the entire mainstem estuarine Pamunkey River.

During the year 2004 cycle, the DO violation rate was 0/47 at 8-PMK048.80, 0/48 at 8-PMK006.36, 0/213 at 8-PMK034.17, 0/48 at 8-PMK056.87, and 10/200 at 8-PMK006.36. No chlorophyll A violations were recorded.

However, during the 2006 cycle, the new Chesapeake Bay water quality standards were adopted. The oligohaline Pamunkey segment failed the default CB 30-day open water summer dissolved oxygen criteria of 5 mg/L. Water quality standards specific for the Pamunkey and Mattaponi Rivers were adopted after the close of the assessment period and the new criteria will be used in the 2008 cycle. The specific criteria recognize that dissolved oxygen is naturally depressed in the rivers due to their extensive marsh systems.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **Pamunkey River (PMKOH)**

TMDL Group ID: **01772**

Open-Water Aquatic Life	**Oxygen, Dissolved**	01772	**1998**	**2010**	VAP-F14E-01

The tidal Pamunkey River was initially listed on the 1998 303(d) list as fully supporting but threatened of the aquatic life use goal because a 1995 special study showed river subject to 33% violation rate of daily mean DO standard during warm weather conditions May through October. The estuarine Pamunkey River is considered fully allocated relative to dissolved oxygen. New discharges cannot result in further DO depression.

The Chesapeake Bay and its tidal tributaries were added by EPA to the 1998 303(d) list. EPA listed the impairment as dissolved oxygen violations caused by nutrient overenrichment. This listing included the entire mainstem estuarine Pamunkey River.

During the year 2004 cycle, the DO violation rate was 0/47 at 8-PMK048.80, 0/48 at 8-PMK006.36, 0/213 at 8-PMK034.17, 0/48 at 8-PMK056.87, and 10/200 at 8-PMK006.36. No chlorophyll A violations were recorded.

However, during the 2006 cycle, the new Chesapeake Bay water quality standards were adopted. The oligohaline Pamunkey segment failed the default CB 30-day open water summer dissolved oxygen criteria of 5 mg/L. Water quality standards specific for the Pamunkey and Mattaponi Rivers were adopted after the close of the assessment period and the new criteria will be used in the 2008 cycle. The specific criteria recognize that dissolved oxygen is naturally depressed in the rivers due to their extensive marsh systems.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **Pamunkey River (PMKOH)**

TMDL Group ID: **01772**

VAP-F14E_PMK06B06	Pamunkey River	KING WILLIAM CO NEW KENT CO	VDH-DSS SFC 004A to mesohaline boundary PMKOH

VA Overall AU Category: **5A**

Use	Impairment	0.59 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01772	**1998**	**2010**	VAP-F14E-01

The tidal Pamunkey River was initially listed on the 1998 303(d) list as fully supporting but threatened of the aquatic life use goal because a 1995 special study showed river subject to 33% violation rate of daily mean DO standard during warm weather conditions May through October. The estuarine Pamunkey River is considered fully allocated relative to dissolved oxygen. New discharges cannot result in further DO depression.

The Chesapeake Bay and its tidal tributaries were added by EPA to the 1998 303(d) list. EPA listed the impairment as dissolved oxygen violations caused by nutrient overenrichment. This listing included the entire mainstem estuarine Pamunkey River.

During the year 2004 cycle, the DO violation rate was 0/47 at 8-PMK048.80, 0/48 at 8-PMK006.36, 0/213 at 8-PMK034.17, 0/48 at 8-PMK056.87, and 10/200 at 8-PMK006.36. No chlorophyll A violations were recorded.

However, during the 2006 cycle, the new Chesapeake Bay water quality standards were adopted. The oligohaline Pamunkey segment failed the default CB 30-day open water summer dissolved oxygen criteria of 5 mg/L. Water quality standards specific for the Pamunkey and Mattaponi Rivers were adopted after the close of the assessment period and the new criteria will be used in the 2008 cycle. The specific criteria recognize that dissolved oxygen is naturally depressed in the rivers due to their extensive marsh systems.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **Pamunkey River (PMKOH)**

TMDL Group ID: **01772**

Open-Water Aquatic Life	**Oxygen, Dissolved**	01772	**1998**	**2010**	VAP-F14E-01

The tidal Pamunkey River was initially listed on the 1998 303(d) list as fully supporting but threatened of the aquatic life use goal because a 1995 special study showed river subject to 33% violation rate of daily mean DO standard during warm weather conditions May through October. The estuarine Pamunkey River is considered fully allocated relative to dissolved oxygen. New discharges cannot result in further DO depression.

The Chesapeake Bay and its tidal tributaries were added by EPA to the 1998 303(d) list. EPA listed the impairment as dissolved oxygen violations caused by nutrient overenrichment. This listing included the entire mainstem estuarine Pamunkey River.

During the year 2004 cycle, the DO violation rate was 0/47 at 8-PMK048.80, 0/48 at 8-PMK006.36, 0/213 at 8-PMK034.17, 0/48 at 8-PMK056.87, and 10/200 at 8-PMK006.36. No chlorophyll A violations were recorded.

However, during the 2006 cycle, the new Chesapeake Bay water quality standards were adopted. The oligohaline Pamunkey segment failed the default CB 30-day open water summer dissolved oxygen criteria of 5 mg/L. Water quality standards specific for the Pamunkey and Mattaponi Rivers were adopted after the close of the assessment period and the new criteria will be used in the 2008 cycle. The specific criteria recognize that dissolved oxygen is naturally depressed in the rivers due to their extensive marsh systems.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **Pamunkey River (PMKOH)**

TMDL Group ID: **01772**

VAP-F14E_ZZZ02A06	Unsegmented estuaries in F14	KING WILLIAM CO NEW KENT CO	Unsegmented portion of the watershed within PMKOH

VA Overall AU Category: **5A**

Use	Impairment	2.09 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01772	**2006**	**2010**	VAP-F14E-01 During the 2006 cycle, the new Chesapeake Bay water quality standards were adopted. The oligohaline Pamunkey segment failed the default CB 30-day open water summer dissolved oxygen criteria of 5 mg/L. Water quality standards specific for the Pamunkey and Mattaponi Rivers were adopted after the close of the assessment period and the new criteria will be used in the 2008 cycle. The specific criteria recognize that dissolved oxygen is naturally depressed in the rivers due to their extensive marsh systems.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01772	**2006**	**2010**	VAP-F14E-01 During the 2006 cycle, the new Chesapeake Bay water quality standards were adopted. The oligohaline Pamunkey segment failed the default CB 30-day open water summer dissolved oxygen criteria of 5 mg/L. Water quality standards specific for the Pamunkey and Mattaponi Rivers were adopted after the close of the assessment period and the new criteria will be used in the 2008 cycle. The specific criteria recognize that dissolved oxygen is naturally depressed in the rivers due to their extensive marsh systems.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **Pamunkey River (PMKOH)**

TMDL Group ID: **01772**

VAP-F14E_ZZZ02B06	Unsegmented estuaries in F14	KING WILLIAM CO NEW KENT CO	Unsegmented portion of the watershed within SFC 004A & PMKOH

VA Overall AU Category: **5A**

Use	Impairment	0.06 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01772	**2006**	**2010**	VAP-F14E-01 During the 2006 cycle, the new Chesapeake Bay water quality standards were adopted. The oligohaline Pamunkey segment failed the default CB 30-day open water summer dissolved oxygen criteria of 5 mg/L. Water quality standards specific for the Pamunkey and Mattaponi Rivers were adopted after the close of the assessment period and the new criteria will be used in the 2008 cycle. The specific criteria recognize that dissolved oxygen is naturally depressed in the rivers due to their extensive marsh systems.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01772	**2006**	**2010**	VAP-F14E-01 During the 2006 cycle, the new Chesapeake Bay water quality standards were adopted. The oligohaline Pamunkey segment failed the default CB 30-day open water summer dissolved oxygen criteria of 5 mg/L. Water quality standards specific for the Pamunkey and Mattaponi Rivers were adopted after the close of the assessment period and the new criteria will be used in the 2008 cycle. The specific criteria recognize that dissolved oxygen is naturally depressed in the rivers due to their extensive marsh systems.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **Pamunkey River (PMKTF)**

TMDL Group ID: **01773**

VAP-F13E_PMK01A98	**Pamunkey River**	HANOVER CO KING WILLIAM CO	Totopotomoy Creek (extent of tide) to Pampatike Landing. PMKTF

VA Overall AU Category: **5A**

Use	Impairment	0.42 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01773	**1998**	**2010**	VAP-F13E-01

The tidal Pamunkey River was initially listed on the 1998 303(d) list as fully supporting but threatened of the aquatic life use goal because a 1995 special study showed river subject to 33% violation rate of daily mean DO standard during warm weather conditions May through October. The estuarine Pamunkey River is considered fully allocated relative to dissolved oxygen. New discharges cannot result in further DO depression.

The Chesapeake Bay and its tidal tributaries were added by EPA to the 1998 303(d) list. EPA listed the impairment as dissolved oxygen violations caused by nutrient overenrichment. This listing included the entire mainstem estuarine Pamunkey River.

During the year 2004 cycle, the DO violation rate was 0/47 at 8-PMK048.80, 0/48 at 8-PMK006.36, 0/213 at 8-PMK034.17, 0/48 at 8-PMK056.87, and 10/200 at 8-PMK006.36. No chlorophyll A violations were recorded.

However, during the 2006 cycle, the new Chesapeake Bay water quality standards were adopted. The tidal freshwater Pamunkey segment failed the default CB 30-day open water summer dissolved oxygen criteria of 5.5 mg/L. Water quality standards specific for the Pamunkey and Mattaponi Rivers were adopted after the close of the assessment period and the new criteria will be used in the 2008 cycle. The specific criteria recognize that dissolved oxygen is naturally depressed in the rivers due to their extensive marsh systems.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **Pamunkey River (PMKTF)**

TMDL Group ID: **01773**

Open-Water Aquatic Life	**Oxygen, Dissolved**	01773	**1998**	**2010**	VAP-F13E-01

The tidal Pamunkey River was initially listed on the 1998 303(d) list as fully supporting but threatened of the aquatic life use goal because a 1995 special study showed river subject to 33% violation rate of daily mean DO standard during warm weather conditions May through October. The estuarine Pamunkey River is considered fully allocated relative to dissolved oxygen. New discharges cannot result in further DO depression.

The Chesapeake Bay and its tidal tributaries were added by EPA to the 1998 303(d) list. EPA listed the impairment as dissolved oxygen violations caused by nutrient overenrichment. This listing included the entire mainstem estuarine Pamunkey River.

During the year 2004 cycle, the DO violation rate was 0/47 at 8-PMK048.80, 0/48 at 8-PMK006.36, 0/213 at 8-PMK034.17, 0/48 at 8-PMK056.87, and 10/200 at 8-PMK006.36. No chlorophyll A violations were recorded.

However, during the 2006 cycle, the new Chesapeake Bay water quality standards were adopted. The tidal freshwater Pamunkey segment failed the default CB 30-day open water summer dissolved oxygen criteria of 5.5 mg/L. Water quality standards specific for the Pamunkey and Mattaponi Rivers were adopted after the close of the assessment period and the new criteria will be used in the 2008 cycle. The specific criteria recognize that dissolved oxygen is naturally depressed in the rivers due to their extensive marsh systems.

The Shallow Water Use was fully supporting the SAV acreage and there was insufficient information to assess the Migratory Spawning Use.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **Pamunkey River (PMKTF)**

TMDL Group ID: **01773**

VAP-F13E_PMK02A98	**Pamunkey River**	HANOVER CO NEW KENT CO	Pampatike Landing downstream to Jacks Creek. PMKTF

VA Overall AU Category: **5A**

Use	Impairment	0.82 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01773	**1998**	**2010**	VAP-F13E-01

The tidal Pamunkey River was initially listed on the 1998 303(d) list as fully supporting but threatened of the aquatic life use goal because a 1995 special study showed river subject to 33% violation rate of daily mean DO standard during warm weather conditions May through October. The estuarine Pamunkey River is considered fully allocated relative to dissolved oxygen. New discharges cannot result in further DO depression.

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However, during the 2006 cycle, the new Chesapeake Bay water quality standards were adopted. The tidal freshwater Pamunkey segment failed the default CB 30-day open water summer dissolved oxygen criteria of 5.5 mg/L. Water quality standards specific for the Pamunkey and Mattaponi Rivers were adopted after the close of the assessment period and the new criteria will be used in the 2008 cycle. The specific criteria recognize that dissolved oxygen is naturally depressed in the rivers due to their extensive marsh systems.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **Pamunkey River (PMKTF)**

TMDL Group ID: **01773**

Open-Water Aquatic Life	**Oxygen, Dissolved**	01773	**1998**	**2010**	VAP-F13E-01

The tidal Pamunkey River was initially listed on the 1998 303(d) list as fully supporting but threatened of the aquatic life use goal because a 1995 special study showed river subject to 33% violation rate of daily mean DO standard during warm weather conditions May through October. The estuarine Pamunkey River is considered fully allocated relative to dissolved oxygen. New discharges cannot result in further DO depression.

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However, during the 2006 cycle, the new Chesapeake Bay water quality standards were adopted. The tidal freshwater Pamunkey segment failed the default CB 30-day open water summer dissolved oxygen criteria of 5.5 mg/L. Water quality standards specific for the Pamunkey and Mattaponi Rivers were adopted after the close of the assessment period and the new criteria will be used in the 2008 cycle. The specific criteria recognize that dissolved oxygen is naturally depressed in the rivers due to their extensive marsh systems.

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- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **Pamunkey River (PMKTF)**

TMDL Group ID: **01773**

VAP-F13E_PMK03A06	Pamunkey River	KING WILLIAM CO NEW KENT CO	Jacks Creek downstream to Macon Creek. PMKTF

VA Overall AU Category: **5A**

Use	Impairment	0.12 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01773	**1998**	**2010**	VAP-F13E-01

The tidal Pamunkey River was initially listed on the 1998 303(d) list as fully supporting but threatened of the aquatic life use goal because a 1995 special study showed river subject to 33% violation rate of daily mean DO standard during warm weather conditions May through October. The estuarine Pamunkey River is considered fully allocated relative to dissolved oxygen. New discharges cannot result in further DO depression.

The Chesapeake Bay and its tidal tributaries were added by EPA to the 1998 303(d) list. EPA listed the impairment as dissolved oxygen violations caused by nutrient overenrichment. This listing included the entire mainstem estuarine Pamunkey River.

During the year 2004 cycle, the DO violation rate was 0/47 at 8-PMK048.80, 0/48 at 8-PMK006.36, 0/213 at 8-PMK034.17, 0/48 at 8-PMK056.87, and 10/200 at 8-PMK006.36. No chlorophyll A violations were recorded.

However, during the 2006 cycle, the new Chesapeake Bay water quality standards were adopted. The tidal freshwater Pamunkey segment failed the default CB 30-day open water summer dissolved oxygen criteria of 5.5 mg/L. Water quality standards specific for the Pamunkey and Mattaponi Rivers were adopted after the close of the assessment period and the new criteria will be used in the 2008 cycle. The specific criteria recognize that dissolved oxygen is naturally depressed in the rivers due to their extensive marsh systems.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **Pamunkey River (PMKTF)**

TMDL Group ID: **01773**

Open-Water Aquatic Life	**Oxygen, Dissolved**	01773	**1998**	**2010**	VAP-F13E-01

The tidal Pamunkey River was initially listed on the 1998 303(d) list as fully supporting but threatened of the aquatic life use goal because a 1995 special study showed river subject to 33% violation rate of daily mean DO standard during warm weather conditions May through October. The estuarine Pamunkey River is considered fully allocated relative to dissolved oxygen. New discharges cannot result in further DO depression.

The Chesapeake Bay and its tidal tributaries were added by EPA to the 1998 303(d) list. EPA listed the impairment as dissolved oxygen violations caused by nutrient overenrichment. This listing included the entire mainstem estuarine Pamunkey River.

During the year 2004 cycle, the DO violation rate was 0/47 at 8-PMK048.80, 0/48 at 8-PMK006.36, 0/213 at 8-PMK034.17, 0/48 at 8-PMK056.87, and 10/200 at 8-PMK006.36. No chlorophyll A violations were recorded.

However, during the 2006 cycle, the new Chesapeake Bay water quality standards were adopted. The tidal freshwater Pamunkey segment failed the default CB 30-day open water summer dissolved oxygen criteria of 5.5 mg/L. Water quality standards specific for the Pamunkey and Mattaponi Rivers were adopted after the close of the assessment period and the new criteria will be used in the 2008 cycle. The specific criteria recognize that dissolved oxygen is naturally depressed in the rivers due to their extensive marsh systems.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **Pamunkey River (PMKTF)**

TMDL Group ID: **01773**

VAP-F13E_ZZZ01A00	Unsegmented estuaries in F13	HANOVER CO NEW KENT CO	Unsegmented portion of the watershed. PMKTF

VA Overall AU Category: **5A**

Use	Impairment	0.28 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01773	**2006**	**2010**	VAP-F13E-01 During the 2006 cycle, the new Chesapeake Bay water quality standards were adopted. The tidal freshwater Pamunkey segment failed the default CB 30-day open water summer dissolved oxygen criteria of 5.5 mg/L. Water quality standards specific for the Pamunkey and Mattaponi Rivers were adopted after the close of the assessment period and the new criteria will be used in the 2008 cycle. The specific criteria recognize that dissolved oxygen is naturally depressed in the rivers due to their extensive marsh systems.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01773	**2006**	**2010**	VAP-F13E-01 During the 2006 cycle, the new Chesapeake Bay water quality standards were adopted. The tidal freshwater Pamunkey segment failed the default CB 30-day open water summer dissolved oxygen criteria of 5.5 mg/L. Water quality standards specific for the Pamunkey and Mattaponi Rivers were adopted after the close of the assessment period and the new criteria will be used in the 2008 cycle. The specific criteria recognize that dissolved oxygen is naturally depressed in the rivers due to their extensive marsh systems.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **Pamunkey River (PMKTF)**

TMDL Group ID: **01773**

VAP-F14E_CMC01A06	Cohoke Mill Creek	KING WILLIAM CO	Tidal limit at Cohoke Millpond to mouth at Pamunkey River PMKTF

VA Overall AU Category: **5A**

Use	Impairment	0.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01773	**2006**	**2010**	VAP-F13E-01 During the 2006 cycle, the new Chesapeake Bay water quality standards were adopted. The tidal freshwater Pamunkey segment failed the default CB 30-day open water summer dissolved oxygen criteria of 5.5 mg/L. Water quality standards specific for the Pamunkey and Mattaponi Rivers were adopted after the close of the assessment period and the new criteria will be used in the 2008 cycle. The specific criteria recognize that dissolved oxygen is naturally depressed in the rivers due to their extensive marsh systems.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01773	**2006**	**2010**	VAP-F13E-01 During the 2006 cycle, the new Chesapeake Bay water quality standards were adopted. The tidal freshwater Pamunkey segment failed the default CB 30-day open water summer dissolved oxygen criteria of 5.5 mg/L. Water quality standards specific for the Pamunkey and Mattaponi Rivers were adopted after the close of the assessment period and the new criteria will be used in the 2008 cycle. The specific criteria recognize that dissolved oxygen is naturally depressed in the rivers due to their extensive marsh systems.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **Pamunkey River (PMKTF)**

TMDL Group ID: **01773**

VAP-F14E_PMK02A00	**Pamunkey River**	KING WILLIAM CO NEW KENT CO	Macon Creek to approximately rivermile 34.25 (one mile upstream of station 8-PMK032.00) PMKTF

VA Overall AU Category: **5A**

Use	Impairment	0.81 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01773	**1998**	**2010**	VAP-F13E-01

The tidal Pamunkey River was initially listed on the 1998 303(d) list as fully supporting but threatened of the aquatic life use goal because a 1995 special study showed river subject to 33% violation rate of daily mean DO standard during warm weather conditions May through October. The estuarine Pamunkey River is considered fully allocated relative to dissolved oxygen. New discharges cannot result in further DO depression.

The Chesapeake Bay and its tidal tributaries were added by EPA to the 1998 303(d) list. EPA listed the impairment as dissolved oxygen violations caused by nutrient overenrichment. This listing included the entire mainstem estuarine Pamunkey River.

During the year 2004 cycle, the DO violation rate was 0/47 at 8-PMK048.80, 0/48 at 8-PMK006.36, 0/213 at 8-PMK034.17, 0/48 at 8-PMK056.87, and 10/200 at 8-PMK006.36. No chlorophyll A violations were recorded.

However, during the 2006 cycle, the new Chesapeake Bay water quality standards were adopted. The tidal freshwater Pamunkey segment failed the default CB 30-day open water summer dissolved oxygen criteria of 5.5 mg/L. Water quality standards specific for the Pamunkey and Mattaponi Rivers were adopted after the close of the assessment period and the new criteria will be used in the 2008 cycle. The specific criteria recognize that dissolved oxygen is naturally depressed in the rivers due to their extensive marsh systems.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **Pamunkey River (PMKTF)**

TMDL Group ID: **01773**

Open-Water Aquatic Life	**Oxygen, Dissolved**	01773	**1998**	**2010**	VAP-F13E-01

The tidal Pamunkey River was initially listed on the 1998 303(d) list as fully supporting but threatened of the aquatic life use goal because a 1995 special study showed river subject to 33% violation rate of daily mean DO standard during warm weather conditions May through October. The estuarine Pamunkey River is considered fully allocated relative to dissolved oxygen. New discharges cannot result in further DO depression.

The Chesapeake Bay and its tidal tributaries were added by EPA to the 1998 303(d) list. EPA listed the impairment as dissolved oxygen violations caused by nutrient overenrichment. This listing included the entire mainstem estuarine Pamunkey River.

During the year 2004 cycle, the DO violation rate was 0/47 at 8-PMK048.80, 0/48 at 8-PMK006.36, 0/213 at 8-PMK034.17, 0/48 at 8-PMK056.87, and 10/200 at 8-PMK006.36. No chlorophyll A violations were recorded.

However, during the 2006 cycle, the new Chesapeake Bay water quality standards were adopted. The tidal freshwater Pamunkey segment failed the default CB 30-day open water summer dissolved oxygen criteria of 5.5 mg/L. Water quality standards specific for the Pamunkey and Mattaponi Rivers were adopted after the close of the assessment period and the new criteria will be used in the 2008 cycle. The specific criteria recognize that dissolved oxygen is naturally depressed in the rivers due to their extensive marsh systems.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **Pamunkey River (PMKTF)**

TMDL Group ID: **01773**

VAP-F14E_PMK03A00	**Pamunkey River**	KING WILLIAM CO NEW KENT CO	One-mile radius drawn around monitoring station 8-PMK032.00 PMKTF

VA Overall AU Category: **5A**

Use	Impairment	0.41 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01773	**1998**	**2010**	VAP-F13E-01

The tidal Pamunkey River was initially listed on the 1998 303(d) list as fully supporting but threatened of the aquatic life use goal because a 1995 special study showed river subject to 33% violation rate of daily mean DO standard during warm weather conditions May through October. The estuarine Pamunkey River is considered fully allocated relative to dissolved oxygen. New discharges cannot result in further DO depression.

The Chesapeake Bay and its tidal tributaries were added by EPA to the 1998 303(d) list. EPA listed the impairment as dissolved oxygen violations caused by nutrient overenrichment. This listing included the entire mainstem estuarine Pamunkey River.

During the year 2004 cycle, the DO violation rate was 0/47 at 8-PMK048.80, 0/48 at 8-PMK006.36, 0/213 at 8-PMK034.17, 0/48 at 8-PMK056.87, and 10/200 at 8-PMK006.36. No chlorophyll A violations were recorded.

However, during the 2006 cycle, the new Chesapeake Bay water quality standards were adopted. The tidal freshwater Pamunkey segment failed the default CB 30-day open water summer dissolved oxygen criteria of 5.5 mg/L. Water quality standards specific for the Pamunkey and Mattaponi Rivers were adopted after the close of the assessment period and the new criteria will be used in the 2008 cycle. The specific criteria recognize that dissolved oxygen is naturally depressed in the rivers due to their extensive marsh systems.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **Pamunkey River (PMKTF)**

TMDL Group ID: **01773**

Open-Water Aquatic Life	**Oxygen, Dissolved**	01773	**1998**	**2010**	VAP-F13E-01

The tidal Pamunkey River was initially listed on the 1998 303(d) list as fully supporting but threatened of the aquatic life use goal because a 1995 special study showed river subject to 33% violation rate of daily mean DO standard during warm weather conditions May through October. The estuarine Pamunkey River is considered fully allocated relative to dissolved oxygen. New discharges cannot result in further DO depression.

The Chesapeake Bay and its tidal tributaries were added by EPA to the 1998 303(d) list. EPA listed the impairment as dissolved oxygen violations caused by nutrient overenrichment. This listing included the entire mainstem estuarine Pamunkey River.

During the year 2004 cycle, the DO violation rate was 0/47 at 8-PMK048.80, 0/48 at 8-PMK006.36, 0/213 at 8-PMK034.17, 0/48 at 8-PMK056.87, and 10/200 at 8-PMK006.36. No chlorophyll A violations were recorded.

However, during the 2006 cycle, the new Chesapeake Bay water quality standards were adopted. The tidal freshwater Pamunkey segment failed the default CB 30-day open water summer dissolved oxygen criteria of 5.5 mg/L. Water quality standards specific for the Pamunkey and Mattaponi Rivers were adopted after the close of the assessment period and the new criteria will be used in the 2008 cycle. The specific criteria recognize that dissolved oxygen is naturally depressed in the rivers due to their extensive marsh systems.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **Pamunkey River (PMKTF)**

TMDL Group ID: **01773**

VAP-F14E_PMK04A00	**Pamunkey River**	KING WILLIAM CO NEW KENT CO	One mile downstream of 8-PMK032.00 to downstream extent of tidal freshwater segment at approximately river mile 23.6 Segment expanded in 2006 and now incorporates previous segment PMK05A00 PMKTF

VA Overall AU Category: **5A**

Use	Impairment	2.45 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01773	**1998**	**2010**	VAP-F13E-01

The tidal Pamunkey River was initially listed on the 1998 303(d) list as fully supporting but threatened of the aquatic life use goal because a 1995 special study showed river subject to 33% violation rate of daily mean DO standard during warm weather conditions May through October. The estuarine Pamunkey River is considered fully allocated relative to dissolved oxygen. New discharges cannot result in further DO depression.

The Chesapeake Bay and its tidal tributaries were added by EPA to the 1998 303(d) list. EPA listed the impairment as dissolved oxygen violations caused by nutrient overenrichment. This listing included the entire mainstem estuarine Pamunkey River.

During the year 2004 cycle, the DO violation rate was 0/47 at 8-PMK048.80, 0/48 at 8-PMK006.36, 0/213 at 8-PMK034.17, 0/48 at 8-PMK056.87, and 10/200 at 8-PMK006.36. No chlorophyll A violations were recorded.

However, during the 2006 cycle, the new Chesapeake Bay water quality standards were adopted. The tidal freshwater Pamunkey segment failed the default CB 30-day open water summer dissolved oxygen criteria of 5.5 mg/L. Water quality standards specific for the Pamunkey and Mattaponi Rivers were adopted after the close of the assessment period and the new criteria will be used in the 2008 cycle. The specific criteria recognize that dissolved oxygen is naturally depressed in the rivers due to their extensive marsh systems.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **Pamunkey River (PMKTF)**

TMDL Group ID: **01773**

Open-Water Aquatic Life	**Oxygen, Dissolved**	01773	**1998**	**2010**	VAP-F13E-01

The tidal Pamunkey River was initially listed on the 1998 303(d) list as fully supporting but threatened of the aquatic life use goal because a 1995 special study showed river subject to 33% violation rate of daily mean DO standard during warm weather conditions May through October. The estuarine Pamunkey River is considered fully allocated relative to dissolved oxygen. New discharges cannot result in further DO depression.

The Chesapeake Bay and its tidal tributaries were added by EPA to the 1998 303(d) list. EPA listed the impairment as dissolved oxygen violations caused by nutrient overenrichment. This listing included the entire mainstem estuarine Pamunkey River.

During the year 2004 cycle, the DO violation rate was 0/47 at 8-PMK048.80, 0/48 at 8-PMK006.36, 0/213 at 8-PMK034.17, 0/48 at 8-PMK056.87, and 10/200 at 8-PMK006.36. No chlorophyll A violations were recorded.

However, during the 2006 cycle, the new Chesapeake Bay water quality standards were adopted. The tidal freshwater Pamunkey segment failed the default CB 30-day open water summer dissolved oxygen criteria of 5.5 mg/L. Water quality standards specific for the Pamunkey and Mattaponi Rivers were adopted after the close of the assessment period and the new criteria will be used in the 2008 cycle. The specific criteria recognize that dissolved oxygen is naturally depressed in the rivers due to their extensive marsh systems.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **Pamunkey River (PMKTF)**

TMDL Group ID: **01773**

VAP-F14E_ZZZ01A00	Unsegmented estuaries in F14	KING WILLIAM CO NEW KENT CO	Unsegmented portion of the watershed within PMKTF

VA Overall AU Category: **5A**

Use	Impairment	0.70 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01773	**2006**	**2010**	VAP-F13E-01 During the 2006 cycle, the new Chesapeake Bay water quality standards were adopted. The tidal freshwater Pamunkey segment failed the default CB 30-day open water summer dissolved oxygen criteria of 5.5 mg/L. Water quality standards specific for the Pamunkey and Mattaponi Rivers were adopted after the close of the assessment period and the new criteria will be used in the 2008 cycle. The specific criteria recognize that dissolved oxygen is naturally depressed in the rivers due to their extensive marsh systems.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01773	**2006**	**2010**	VAP-F13E-01 During the 2006 cycle, the new Chesapeake Bay water quality standards were adopted. The tidal freshwater Pamunkey segment failed the default CB 30-day open water summer dissolved oxygen criteria of 5.5 mg/L. Water quality standards specific for the Pamunkey and Mattaponi Rivers were adopted after the close of the assessment period and the new criteria will be used in the 2008 cycle. The specific criteria recognize that dissolved oxygen is naturally depressed in the rivers due to their extensive marsh systems.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **Pamunkey River, Unnamed Tributary**

TMDL Group ID: **01111**

VAP-F13R_XDX01A04	UT(XDX) to UT (XDW) to Pamunkey River	KING WILLIAM CO	Headwaters to mouth at XDW

VA Overall AU Category: **5A**

Use	Impairment	3.75 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		01111	**2004**	**2016**	VAP-F13R-09 Not supporting of the Recreation Use goal based on a fecal coliform violation rate of 2/3 at the Route 604 (8-XDX000.38).

Sources: Source Unknown

TMDL Watershed Name: **Perrin River, Upper**

TMDL Group ID: **01274**

VAT-F27E_PRN01A00	Perrin River - Upper	GLOUCESTER CO	North shore York River near Cuba Island. From DSS marker "D-Buckle" upstream to headwaters. DSS condemnation # 046-081A, 10/2/2004. YRKPH

VA Overall AU Category: **5A**

Use	Impairment	0.12 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01274	**1998**	**2010**	VAT-F27E-14 VDH-DSS condemnation #046-081A, 10/2/2004

Sources: Source Unknown

TMDL Watershed Name: **Po River**

TMDL Group ID: **00858**

VAN-F16R_POR01A02	Po River	SPOTSYLVANIA CO	Segment begins at the confluence with Glady Run and continues downstream until the confluence with an unnamed tributary to the Po River at rivermile 6.69, near the upstream boundary of the Old Trap development.

VA Overall AU Category: **5C**

Use	Impairment	7.38 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		00858	**2004**	**2016**	Sufficient excursions from the pH water quality criteria were recorded at the DEQ water quality monitoring station (8-POR008.97) at the Route 208 bridge to assess this segment as not supporting of the Clean Water Act's (CWA's) Aquatic Life Use goal. Three of 27 samples (11.1%) were below the lower range (6.0 SU) of the pH water quality criteria for Class III waters as established in 9 VAC 25-260-50 of the Virginia Water Quality Standards.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **Po River**

TMDL Group ID: **00862**

VAN-F16R_POR02A02	Po River	SPOTSYLVANIA CO	Segment begins at the confluence with Whitehall Creek and continues downstream until the start of Wright's Pond.

VA Overall AU Category: **5A**

Use	Impairment	2.06 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		00862	**2002**	**2014**	Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (3 of 8 samples - 37.5%) were recorded at DEQ's ambient water quality monitoring station (8-POR022.56) at the Route 612 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sources: Source Unknown

TMDL Watershed Name: **Polecat Creek**

TMDL Group ID: **00864**

VAN-F20R_PCT01A00	Polecat Creek	CAROLINE CO	Segment begins at the confluence with Hackett Creek, approximately 0.5 rivermile upstream from Route 207, and continues downstream until the confluence with the Mattaponi River.

VA Overall AU Category: **5A**

Use	Impairment	6.63 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		00864	**2004**	**2016**	Sufficient excursions from the pH water quality criteria were recorded at the DEQ water quality monitoring stations (8-PCT002.29) at the Route 601 bridge and (8-PCT006.34) at the Route 207 bridge to assess this segment as not supporting of the Clean Water Act's (CWA's) Aquatic Life Use goal. Three of 9 samples (33.3%) and six of 28 samples (21.4%), respectively, were below the lower range (6.0 SU) of the pH water quality criteria for Class III waters as established in 9 VAC 25-260-50 of the Virginia Water Quality Standards.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

TMDL Group ID: **60105**

VAN-F20R_PCT01A00	Polecat Creek	CAROLINE CO	Segment begins at the confluence with Hackett Creek, approximately 0.5 rivermile upstream from Route 207, and continues downstream until the confluence with the Mattaponi River.

VA Overall AU Category: **5A**

Use	Impairment	6.63 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		60105	**2006**	**2018**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (2 of 13 samples - 15.4%) were recorded at DEQ's ambient water quality monitoring station (8-PCT002.29) at the Route 601 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **Poropotank River & Morris Bay**

TMDL Group ID: **01263**

VAT-F26E_PTK01A00	Poropotank River & Morris Bay	GLOUCESTER CO KING AND QUEEN CO	Described in VDH-DSS shellfish condemnation # 128A, 11/5/2004 Segment altered in 2006 YRKMH.

VA Overall AU Category: **5A**

Use	Impairment	0.83 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01263	**1998**	**2010**	VAT-F26E-14 VDH-DSS Condemnation 048-128A, 11/4/2005

Sources: Source Unknown

TMDL Watershed Name: **Queen's Creek**

TMDL Group ID: **00328**

VAT-F26E_QEN01A02	Queen's Creek	YORK CO	South shore York River, south of Camp Peary Naval Reservation. From end of tidal waters downstream to mouth as described in DSS shellfish condemnation #051-035A, 10/17/2004. Size adjusted in 2006 YRKMH

VA Overall AU Category: **5A**

Use	Impairment	0.42 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Enterococcus**		00328	**2006**	**2010**	VAT-F26E-03 The segment was previously assessed as not supporting the Recreation Use due to fecal coliform violations at station 8-QEN002.47. The TMDL was due in 2010. During the 2006 cycle, the impairment converted to enterococci (3/13), however the original due date was maintained.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **Queen's Creek**

TMDL Group ID: **01264**

VAT-F26E_QEN01A02	Queen's Creek	YORK CO	South shore York River, south of Camp Peary Naval Reservation. From end of tidal waters downstream to mouth as described in DSS shellfish condemnation #051-035A, 10/17/2004. Size adjusted in 2006 YRKMH

VA Overall AU Category: **5A**

Use	Impairment	0.42 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01264	**1998**	**2010**	VAT-F26E-16 VDH-DSS Shellfish Condemnation 051-035A, 10/7/2004

Sources: Source Unknown

TMDL Watershed Name: **Reedy Creek**

TMDL Group ID: **00327**

VAN-F21R_RDY01A00	Reedy Creek	CAROLINE CO	Segment begins at the headwaters of Reedy Creek and continues downstream until the start of Reedy Millpond.

VA Overall AU Category: **5A**

Use	Impairment	12.40 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		00327	**1998**	**2010**	Sufficient excursions of the pH water quality criteria were recorded at the DEQ water quality monitoring station (8-RDY003.43) at the Route 648 bridge to assess this segment as not supporting of the Clean Water Act's (CWA's) aquatic life use goal. Four of six samples (66.7%) were below the lower range (6.0 SU) of the pH water quality criteria for Class III waters as established in 9 VAC 25-260-50 of the Virginia Water Quality Standards.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

TMDL Group ID: **00866**

VAN-F21R_RDY01A00	Reedy Creek	CAROLINE CO	Segment begins at the headwaters of Reedy Creek and continues downstream until the start of Reedy Millpond.

VA Overall AU Category: **5A**

Use	Impairment	12.40 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		00866	**2004**	**2016**	Although the data obtained during the 2006 assessment window shows exceedances of the instantaneous fecal coliform bacteria criterion (1 of 7 samples - 14.3%) is categorized as not assessed, very little data has been collected from the DEQ's ambient water quality monitoring station (8-RDY003.43) at Route 648 since the previous assessment window. The segment shall remain categorized as impaired.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **Root Swamp**

TMDL Group ID: **60119**

VAN-F22R_ROT01A06	Root Swamp	KING AND QUEEN CO	Segment begins at the headwaters of Root Swamp and continues downstream until the confluence with Beverly Run.

VA Overall AU Category: **5C**

Use	Impairment	7.88 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		60119	**2006**	**2018**	Sufficient excursions from the pH water quality criteria were recorded at the DEQ special study monitoring station (8-ROT003.65) at the Route 649 bridge and ambient monitoring station (8-ROT007.85) at the Route 635 bridge to assess this segment as not supporting of the Clean Water Act's (CWA's) aquatic life use goal. Three of six samples (50.0%) and two of two samples (100%), respectively, were below the lower range (6.0 SU) of the pH water quality criteria for Class III waters as established in 9 VAC 25-260-50 of the Virginia Water Quality Standards.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

TMDL Watershed Name: **Root Swamp, Unnamed Tributary**

TMDL Group ID: **60111**

VAN-F22R_XDY01A06	Unnamed tributary to Root Swamp	KING AND QUEEN CO	Segment begins at the headwaters of an unnamed tributary to Root Swamp and continues downstream until the confluence with Root Swamp.

VA Overall AU Category: **5C**

Use	Impairment	0.72 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		60111	**2006**	**2018**	Sufficient exceedances of the instantaneous dissolved oxygen criterion (2 of 6 samples - 33.3%) were recorded at DEQ's special study monitoring station (8-XDY000.27) at the Route 689 bridge to assess this stream segment as not supporting of the aquatic life use goal for the 2006 water quality assessment.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

TMDL Group ID: **60120**

VAN-F22R_XDY01A06	Unnamed tributary to Root Swamp	KING AND QUEEN CO	Segment begins at the headwaters of an unnamed tributary to Root Swamp and continues downstream until the confluence with Root Swamp.

VA Overall AU Category: **5C**

Use	Impairment	0.72 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		60120	**2006**	**2018**	Sufficient excursions from the pH water quality criteria were recorded at the DEQ special study monitoring station (8-XDY000.27) at the Route 689 bridge to assess this segment as not supporting of the Clean Water Act's (CWA's) aquatic life use goal. Six of six samples (100%) were below the lower range (6.0 SU) of the pH water quality criteria for Class III waters as established in 9 VAC 25-260-50 of the Virginia Water Quality Standards.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **Sarah Creek**

TMDL Group ID: **01275**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAT-F27E_SRH01A00	**Sarah Creek - Upper**	GLOUCESTER CO	North shore York River near Gloucester Point. Segment extends from headwaters of branches of Sarah Creek downstream to narrows at Gloucester Banks. DSS condemnation # 046-052, 10/2/2004. YRKPH

VA Overall AU Category: **5A**

Use	Impairment	Impairment	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**	0.56 SQUARE MILES	01275	**1998**	**2010**	VAT-F27E-15 VDH-DSS condemnation #046-052, 10/2/2004

Sources: Source Unknown

TMDL Watershed Name: **Skimino Creek**

TMDL Group ID: **01265**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAT-F26E_SKM01A00	**Skimino Creek**	YORK CO	From estuarine/riverine transition to mouth. DSS shellfish condemnation #050-087, 8/25/2000. YRKMH

VA Overall AU Category: **5A**

Use	Impairment	Impairment	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**	0.07 SQUARE MILES	01265	**1998**	**2010**	VAT-F26E-17 VDH-DSS Condemnation 050-087, 08/25/2000

Sources: Source Unknown

TMDL Watershed Name: **South Anna River**

TMDL Group ID: **00242**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAN-F01R_SAR02A02	**South Anna River**	LOUISA CO ORANGE CO	Segment begins at the headwaters of the South Anna River and continues downstream until the confluence with Dove Fork.

VA Overall AU Category: **5A**

Use	Impairment	Impairment	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	7.02 MILES	00242	**2006**	**2010**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (5 of 12 samples - 41.7%) were recorded at DEQ's ambient water quality monitoring station (8-SAR097.82) at the Route 603 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. The segment was previously listed for a fecal coliform bacteria impairment, beginning in 2002.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **South Anna River**

TMDL Group ID: **00244**

VAP-F04R_SAR03B06	South Anna River	HANOVER CO	From the UT above Horseshoe Bridge Road to the Ashland Municipal STP discharge.

VA Overall AU Category: **5A**

Use	Impairment	8.96 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		00244	**2002**	**2014**	VAP-F04R-01 The South Anna River from Route 33 to the Ashland Municipal STP was assessed as fully supporting but threatened during the 1998 cycle. In 2002, the segment was extended upstream to Taylors Creek and downgraded to impaired. During the 2006 cycle, E. Coli monitoring was conducted at the Route 33 bridge (8-SAR021.22), as well as at new stations 8-SAR014.47 and 8-SAR012.42. Violation rates were acceptable at the upstream stations (1/12 at 8-SAR021.22 and 0/9 at 8-SAR014.47), however there were 3 violations out of 12 samples at 8-SAR012.42. Because of the fully supporting status of the upstream portion, the impaired segment has been shortened from the UT above Horseshoe Bridge Road downstream to the Ashland Municipal STP. The TMDL is due in 2014, but is currently in progress.

Sources: Source Unknown

TMDL Group ID: **00854**

VAN-F02R_SAR01A00	South Anna River	LOUISA CO	Segment begins at the confluence with Roundabout Creek and continues downstream until the confluence with Beaver Creek.

VA Overall AU Category: **5A**

Use	Impairment	6.27 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00854	**2006**	**2016**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (4 of 8 samples - 50.0%) were recorded at DEQ's ambient water quality monitoring station (8-SAR076.10) at the Route 604 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. The segment was previously listed for a fecal coliform bacteria impairment, beginning in 2004.

Sources: Source Unknown

Recreation	**Fecal Coliform**		00854	**2004**	**2016**	For the 2004 assessment, two of 18 samples (11.1%) exceeded the instantaneous fecal coliform criteria resulting in an assessment of not supporting the recreation use goal. For this assessment period, one of nine samples (11.1%), from station 8-SAR070.96, at Route 646, exceeded the instantaneous fecal coliform criteria. Based on the fecal coliform data, there is insufficient information to determine if the use is supported or not. The segment will remain listed for a fecal coliform bacteria impairment.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **South Anna River**

TMDL Group ID: **60098**

VAN-F01R_SAR01A02	South Anna River	LOUISA CO	Segment begins at the confluence with Dove Fork and continues downstream until the mouth of waterbody F01, at the confluence of Wheeler Creek to the South Anna River.

VA Overall AU Category: **5A**

Use	Impairment	7.58 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		60098	**2006**	**2018**	Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (5 of 19 samples - 57.1%) were recorded at DEQ's ambient water quality monitoring station (8-SAR096.83) at the Route 15 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sources: Source Unknown

TMDL Group ID: **60100**

VAN-F02R_SAR02A00	South Anna River	LOUISA CO	Segment begins at the start of waterbody F02R, where Wheeler Creek intersects the South Anna River, and continues downstream until the confluence with Rock Creek.

VA Overall AU Category: **5A**

Use	Impairment	4.07 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		60100	**2006**	**2018**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (4 of 11 samples - 36.4%) were recorded at DEQ's ambient water quality monitoring station (8-SAR089.35) at the Route 613 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sources: Source Unknown

Use	Impairment	4.07 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		60100	**2006**	**2018**	Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (4 of 11 samples - 36.4%) were recorded at DEQ's ambient water quality monitoring station (8-SAR089.35) at the Route 613 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sources: Source Unknown

VAN-F03R_SAR03A06	South Anna River	LOUISA CO	Segment begins at the confluence with Northeast Creek and continues downstream until the confluence with an unnamed tributary to the South Anna River, approximately rivermile 66.97.

VA Overall AU Category: **5A**

Use	Impairment	1.76 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		60100	**2006**	**2018**	Sufficient exceedances of the instantaneous E.coli bacteria criterion (2 of 10 samples - 20.0%) were recorded at DEQ's ambient water quality monitoring station (8-SAR068.57) at the Route 605 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **South Anna River**

TMDL Group ID: **60108**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAN-F01R_SAR02A02	**South Anna River**	LOUISA CO ORANGE CO	Segment begins at the headwaters of the South Anna River and continues downstream until the confluence with Dove Fork.

VA Overall AU Category: **5A**

Use	Impairment	7.02 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		60108	**2006**	**2018**	DEQ benthic macroinvertebrate biological monitoring finds this segment to be moderately impaired, due to scores from one sampling event in Spring 2003 and one sampling event in Spring 2004.

Sources: Source Unknown

TMDL Watershed Name: **South River**

TMDL Group ID: **00863**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAN-F19R_STH01A00	**South River**	CAROLINE CO	Segment begins at the confluence with White Run, approximately 0.6 rivermile upstream from Route 638, and continues downstream until the confluence with Mays Run, at rivermile 1.73.

VA Overall AU Category: **5A**

Use	Impairment	3.25 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		00863	**2004**	**2016**	Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (2 of 16 samples - 12.5%) were recorded at DEQ's ambient water quality monitoring station (8-STH004.37) at the Route 638 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sources: Source Unknown

TMDL Watershed Name: **Stagg Creek**

TMDL Group ID: **10000**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-F04R_STG01A06	**Stagg Creek**	HANOVER CO	Headwaters to mouth at the South Anna River

VA Overall AU Category: **5A**

Use	Impairment	6.50 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		10000	**2006**	**2018**	VAP-F04R-03 Stagg Creek was assessed as not supporting the Recreation Use due to E. coli violation rates of 2/4 at 8-STG005.46 and 5/12 at 8-STG001.00.

Sources: Agriculture
Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **Sullens Creek**

TMDL Group ID: **01108**

VAP-F13R_SLN01A00 **Sullens Creek** KING WILLIAM CO From the pond at Etna Mills downstream to Mehixen Creek.

VA Overall AU Category: **5C**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**	2.68 MILES	01108	**2004**	**2016**	VAP-F13R-06 Not supporting of the Aquatic Life Use goal based on a pH violation rate of 3/11 at the Route 652 bridge (8-SLN001.46).

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed
Source Unknown

TMDL Watershed Name: **Ta River**

TMDL Group ID: **00861**

VAN-F18R_TAR01A00 **Ta River** SPOTSYLVANIA CO Segment begins at the confluence with Bluff Run, approximately 0.7 rivermile upstream from Route 738, and continues downstream until the confluence with the Mat River, forming the Matta River.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	3.27 MILES	00861	**2002**	**2014**	Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (3 of 12 samples - 25.0%) were recorded at DEQ's ambient water quality monitoring station (8-TAR002.40) at the Route 738 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sources: Source Unknown

TMDL Watershed Name: **Taskinas Creek**

TMDL Group ID: **01266**

VAT-F26E_TSK01A00 **Taskinas Creek** JAMES CITY CO As described in DSS shellfish condemnation #166, 4/27/1989.

YRKMH

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**	0.02 SQUARE MILES	01266	**2004**	**2010**	VAT-F26E-18 VDH-DSS condemnation 166, 4/27/1989

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **Tastine Swamp and Little Tastine Swamp**

TMDL Group ID: **01125**

VAP-F25R_TST01A98	Tastine Swamp, Little Tastine Swamp	KING AND QUEEN CO	From the headwaters of Little Tastine Swamp to Corbin Pond

VA Overall AU Category: **5A**

Use	Impairment	6.02 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01125	**2002**	**2014**	VAP-F25R-01

Tastine Swamp from the Route 611 bridge downstream to Corbins Pond was initially assessed in 1998 as fully supporting but threatened of the Recreation and Aquatic Life use goals.

During the year 2002 cycle the segment was downgraded and extended to incorporate Little Tastine Swamp.

In the 2004 cycle, the segment continued to be impaired of both goals based on dissolved oxygen and fecal coliform violation rates of 3/20 at 8-TST001.81 (Route 611 bridge).

There has been no additional monitoring since 2001.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

TMDL Group ID: **01126**

VAP-F25R_TST01A98	Tastine Swamp, Little Tastine Swamp	KING AND QUEEN CO	From the headwaters of Little Tastine Swamp to Corbin Pond

VA Overall AU Category: **5A**

Use	Impairment	6.02 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		01126	**2002**	**2014**	VAP-F25R-01

Tastine Swamp from the Route 611 bridge downstream to Corbins Pond was initially assessed in 1998 as fully supporting but threatened of the Recreation and Aquatic Life use goals.

During the year 2002 cycle the segment was downgraded and extended to incorporate Little Tastine Swamp.

In the 2004 cycle, the segment continued to be impaired of both goals based on dissolved oxygen and fecal coliform violation rates of 3/20 at 8-TST001.81 (Route 611 bridge).

There has been no additional monitoring since 2001.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **Terrys Run**

TMDL Group ID: **00219**

VAN-F07R_TRY01A00 **Terrys Run** ORANGE CO

Segment begins at the confluence with Riga Run and continues downstream until the confluence with Lake Anna.

VA Overall AU Category: **5D**

Use	Impairment	1.83 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00219	**2006**	**2005**	A bacteria TMDL for the Terrys Run watershed was submitted to the U.S. EPA and approved November 4, 2005. The sources of bacteria requiring reductions are pet, livestock and wildlife waste delivered directly to the stream or via pastureland or forest, human contributions from straight pipes, failing septic systems, and leaking sanitary sewers, and biosolid application. Sufficient exceedances of the instantaneous E.coli bacteria criterion (8 of 16 samples - 50.0%) were recorded at DEQ's ambient water quality monitoring station (8-TRY004.98) at the Route 629 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. The segment was previously listed for a fecal coliform bacteria impairment, beginning in 1998. Segment listed as Category 4A - Federal ID NA.

Sources: Grazing in Riparian or Shoreline Zones
Impacts from Land Application of Wastes
Livestock (Grazing or Feeding Operations)
Runoff from Forest/Grassland/Parkland
Sewage Discharges in Unsewered Areas
Wastes from Pets
Waterfowl
Wildlife Other than Waterfowl

TMDL Group ID: **00855**

VAN-F07R_TRY02A02 **Terrys Run** ORANGE CO

Segment begins at the confluence with Horsepen Branch and continues downstream until the confluence with Riga Run.

VA Overall AU Category: **5D**

Use	Impairment	3.62 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		00855	**2002**	**2014**	While the data appear to show the dissolved oxygen as supporting the aquatic life use, additional special study sampling, which indicates that a dissolved oxygen impairment exists, is ongoing. Currently, additional information is being collected. Until the additional data are assessed, the segment shall continue to be classified as impaired.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **Terrys Run**

TMDL Group ID: **60102**

VAN-F07R_TRY02A02 **Terrys Run** ORANGE CO

Segment begins at the confluence with Horsepen Branch and continues downstream until the confluence with Riga Run.

VA Overall AU Category: **5D**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	3.62 MILES	60102	**2006**	**2005**	A bacteria TMDL for the Terrys Run watershed was submitted to the U.S. EPA and approved November 11, 2005. The sources of bacteria requiring reductions are pet, livestock and wildlife waste delivered directly to the stream or via pastureland or forest, human contributions from straight pipes, failing septic systems, and leaking sanitary sewers, and biosolid application. Sufficient exceedances of the instantaneous E.coli bacteria criterion (2 of 2 samples - 100%) were recorded at DEQ's special study monitoring station (8-TRY006.72) at the Route 624 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. Segment listed as Category 4A - Federal ID NA.

Sources: Grazing in Riparian or Shoreline Zones
Impacts from Land Application of Wastes
Livestock (Grazing or Feeding Operations)
Runoff from Forest/Grassland/Parkland
Sewage Discharges in Unsewered Areas
Wastes from Pets
Waterfowl
Wildlife Other than Waterfowl

TMDL Watershed Name: **Timberneck Creek**

TMDL Group ID: **01276**

VAT-F27E_TMB01A00 **Timberneck Creek** GLOUCESTER CO

North shore York River, northeast of Catlett Islands. DSS condemnation 047-003, 11/4/2003.

Area reduced and size adjusted in 2006 cycle

YRKPH

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**	0.24 SQUARE MILES	01276	**1998**	**2010**	VAT-F27E-15 VDH-DSS condemnation 047-003, 11/4/2003.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **Tomahawk Creek**

TMDL Group ID: **30105**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAN-F07R_THK01A02	Tomahawk Creek	ORANGE CO	Segment begins at the headwaters of Tomahawk Creek and continues downstream until the confluence with Church Run.

VA Overall AU Category: **5A**

Use	Impairment	3.25 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		30105	**2004**	**2016**	Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (2 of 7 samples - 28.6%) were recorded at DEQ's ambient water quality monitoring station (8-THK000.09) at the Route 612 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sources: Source Unknown

TMDL Watershed Name: **Totopotomoy Creek**

TMDL Group ID: **00250**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-F13R_TPT01A98	Totopotomoy Creek	HANOVER CO	From Strawhorn Creek to the Pamunkey River.

VA Overall AU Category: **5A**

Use	Impairment	9.60 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00250	**2006**	**2014**	VAP-F13R-02 Totopotomoy Creek was initially listed in 2002 as not supporting of the Recreation Use goal based on fecal coliform violations at the Route 606 bridge (8-TPT004.37). The bacteria TMDL is due in 2014. During the 2006 cycle, the impairment switched to E. coli (2/12).

Sources: Source Unknown

TMDL Group ID: **01110**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-F13R_TPT01A98	Totopotomoy Creek	HANOVER CO	From Strawhorn Creek to the Pamunkey River.

VA Overall AU Category: **5A**

Use	Impairment	9.60 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		01110	**2004**	**2016**	VAP-F13R-02 In the 2004 cycle, the segment was also assessed as not supporting the Aquatic Life use due to pH violations at 8-TPT004.37. The pH TMDL is due in 2016. During the 2006 cycle, the violation rate was 4/38.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **Walkerton Branch**

TMDL Group ID: **01122**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-F23R_WKN01A00	**Walkerton Branch**	KING AND QUEEN CO	Watershed above Walkerton Millpond.

VA Overall AU Category: **5C**

Use	Impairment	3.95 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**		01122	**2004**	**2016**	VAP-F23R-03 (01122)

Walkerton Branch was initially assessed as not supporting of the Aquatic Life Use goal in 2004 based on a pH violations at Route 636 (8-WKN003.16). During the 2006 cycle, the segment remained impaired for pH (10/11). The pH TMDL is due in 2016. The source is believed to be natural conditions.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

TMDL Group ID: **10001**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAP-F23R_WKN01A00	**Walkerton Branch**	KING AND QUEEN CO	Watershed above Walkerton Millpond.

VA Overall AU Category: **5C**

Use	Impairment	3.95 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		10001	**2006**	**2018**	VAP-F23R-03

Walkerton Branch was initially assessed as not supporting of the Aquatic Life Use goal in 2004 based on a pH violations at Route 636 (8-WKN003.16). During the 2006 cycle, the segment remained impaired for pH (10/11), and was also listed for dissolved oxygen (8/11). The pH TMDL is due in 2016 and the DO TMDL is due in 2018.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **Waller Mill Reservoir [PWS]**

TMDL Group ID: **70000**

VAT-F26L_QEN01A06	Waller Mill Reservoir [PWS]	YORK CO	Headwater impounded portion of Queen Cr. North of Williamsburg in York County.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**	315.00 ACRES	70000	**2006**	**2018**	VAT-F26L-01

Water quality monitoring was performed at four stations on Waller Mill Reservoir. Dissolved oxygen violations in bottom waters were observed at all four stations. The downstream stations all showed evidence of stratification and the TSIs were <60, indicating mesotrophic conditions. Therefore it is believed that the DO violations are caused by natural stratification and not indicative of nutrient overenrichment.

However, station 8-QEN008.58 did not meet the current assessment guidance definition of stratification (>4°C differential during June through September), although the station was stratified in April. Because the station was not stratified during the summer months, the station, and therefore the entire lake must be classified a Category 5A water.

Sources: Changes in Ordinary Stratification and Bottom Water Hypoxia/Anoxia
Source Unknown

TMDL Watershed Name: **Ware Creek**

TMDL Group ID: **01267**

VAT-F26E_WRE01A00	Ware Creek	JAMES CITY CO NEW KENT CO	Tidal portion of creek and tribs as described in DSS shellfish condemnation #73, 4/27/1989. YRKMH

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**	0.10 SQUARE MILES	01267	**1998**	**2010**	VAT-F26E-19 (SF) VDH-DSS condemnation 073, 4/27/1989

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **Wheeler Creek**

TMDL Group ID: **60099**

VAN-F01R_WLR01A04	Wheeler Creek	LOUISA CO	Segment begins at the confluence with Camp Creek and continues downstream until the confluence with Hudson Creek.

VA Overall AU Category: **5A**

Use	Impairment	0.22 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		60099	**2006**	**2018**	Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (2 of 7 samples - 28.6%) were recorded at DEQ's ambient water quality monitoring station (8-WLR000.26) at the Route 640 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sources: Source Unknown

TMDL Watershed Name: **York River**

TMDL Group ID: **01268**

VAT-F26E_PHB01A00	Philbates Creek	NEW KENT CO	From dam to confluence with York River. DSS shellfish condemnation #049-004A. YRKMH

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01268	**2004**	**2010**	VAT-F26E-20 Portion of VDH-DSS Shellfish Condemnation 049-004A, 11/5/004

Sources: Source Unknown

VAT-F26E_YRK01A04	York River	KING AND QUEEN CO NEW KENT CO	Start of York River at West Point (RM 32.0) downstream to the boundary of DSS condemnation # 049-004A. Segment expanded in 2006 YRKMH

VA Overall AU Category: **5A**

Use	Impairment	5.48 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01268	**2002**	**2014**	VAT-F26E-20 Portion of VDH-DSS Shellfish Condemnation of 049-004A, 11/5/2004

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River**

TMDL Group ID: **01268**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAT-F26E_ZZZ02A06	Unsegmented estuaries in F26E	KING AND QUEEN CO NEW KENT CO	Non segmented areas within VDH-DSS condemnation 049-004A, 11/5/2004 YRKMH

VA Overall AU Category: **5A**

Use	Impairment	0.09 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	**Fecal Coliform**		01268	**2002**	**2014**	VAT-F26E-20 Portion of VDH-DSS Shellfish Condemnation 049-004A, 11/5/2004

Sources: Source Unknown

TMDL Group ID: **01482**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAT-F26E_YRK01A04	York River	KING AND QUEEN CO NEW KENT CO	Start of York River at West Point (RM 32.0) downstream to the boundary of DSS condemnation # 049-004A. Segment expanded in 2006 YRKMH

VA Overall AU Category: **5A**

Use	Impairment	5.48 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Estuarine Bioassessments**		01482	**2004**	**2016**	VAT-F26E-01 CBP segment YRKMHa was assessed as impaired of the Clean Water Act's Aquatic Life Use Support Goal for the 2004 305(b) report due to the results of benthic BIBI probabilistic station surveys (VERSAR 2002). The segments remained impaired during the 2006 cycle. The TMDL is due in 2016.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAT-F26E_YRK02A02	York River (Middle)	JAMES CITY CO NEW KENT CO	Segment starts at end of VDH-DSS condemnation 049-004A, 11/5/2004 and extends downstream to the MSN boundary near Mt. Folly/Poropotank Bay YRKMH

VA Overall AU Category: **5A**

Use	Impairment	4.81 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Estuarine Bioassessments**		01482	**2004**	**2016**	VAT-F26E-01 CBP segment YRKMHa was assessed as impaired of the Clean Water Act's Aquatic Life Use Support Goal for the 2004 305(b) report due to the results of benthic BIBI probabilistic station surveys (VERSAR 2002). The segments remained impaired during the 2006 cycle. The TMDL is due in 2016.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River**

TMDL Group ID: **01482**

VAT-F26E_YRK02B06 — **York River (Middle)** — GLOUCESTER CO, KING AND QUEEN CO

Segment starts at MSN boundary near Mt. Folly/Poropotank Bay downstream to line from Skimino Cr. to north shore @ Rt 618 at Copahasic (RM 18.8) . No DSS condemnation.

YRKMH

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Estuarine Bioassessments**	9.47	SQUARE MILES	01482	**2004**	**2016**	VAT-F26E-01

CBP segment YRKMHa was assessed as impaired of the Clean Water Act's Aquatic Life Use Support Goal for the 2004 305(b) report due to the results of benthic BIBI probabilistic station surveys (VERSAR 2002). The segments remained impaired during the 2006 cycle.

Sources: Source Unknown

VAT-F26E_YRK03A00 — **York River (Lower)** — GLOUCESTER CO, YORK CO

Segment starts at line from Skimino Cr. to N shore @ Rt 618 @ Copahasic (RM 18.7) and extends downstream to the mesohaline/polyhaline boundary.

Segment extent and size altered in 2006

YRKMH

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Estuarine Bioassessments**	13.20	SQUARE MILES	01482	**2004**	**2016**	VAT-F26E-01

CBP segment YRKMHa was assessed as impaired of the Clean Water Act's Aquatic Life Use Support Goal for the 2004 305(b) report due to the results of benthic BIBI probabilistic station surveys (VERSAR 2002). The segments remained impaired during the 2006 cycle.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River**

TMDL Group ID: **01487**

VAT-F27E_YRK01A00 — **York River (Lower Middle)** — GLOUCESTER CO, YORK CO

The polyhaline boundary downstream to line from Roosevelt Pond N to Mumfort Islands at RM 7.49, excluding otherwise segmented DSS shellfish condemnation areas.

YRKPH

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Estuarine Bioassessments**	8.30 SQUARE MILES	01487	**2004**	**2016**	VAT-F26E-01

CBP segment YRKPHa was assessed as impaired of the Clean Water Act's Aquatic Life Use Support Goal for the 2004 305(b) report due to the results of benthic BIBI probabilistic station surveys (VERSAR 2002). The segment remained impaired during the 2006 cycle.

Sources: Source Unknown

VAT-F27E_YRK01B00 — **York R (DSS Condemnation - Cheatham Annex)** — YORK CO

Segment adjacent to Cheatham Annex, VDH-DSS condemnation 051-035B, 10/7/2004 - administratively condemned due to National Security.

Size adjusted in 2006.

YRKPH

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Estuarine Bioassessments**	0.26 SQUARE MILES	01487	**2004**	**2016**	VAT-F26E-01

CBP segment YRKPHa was assessed as impaired of the Clean Water Act's Aquatic Life Use Support Goal for the 2004 305(b) report due to the results of benthic BIBI probabilistic station surveys (VERSAR 2002). The segment remained impaired during the 2006 cycle.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River**

TMDL Group ID: **01487**

VAT-F27E_YRK01C00 — **York R (DSS Condemnation - Naval Weapons Sta.)** — YORK CO

Segment adjacent to Yorktown Naval Weapons Sta., VDH-DSS condemnation 051-040, 9/18/2001 - administratively closed due to National Security.

Size adjusted in 2006 cycle

YRKPH

VA Overall AU Category: **5A**

Use	Impairment	0.23 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Estuarine Bioassessments**		01487	**2004**	**2016**	VAT-F26E-04

CBP segment YRKPHa was assessed as impaired of the Clean Water Act's Aquatic Life Use Support Goal for the 2004 305(b) report due to the results of benthic BIBI probabilistic station surveys (VERSAR 2002). The segment remained impaired during the 2006 cycle.

Sources: Source Unknown

VAT-F27E_YRK01D06 — **York River** — GLOUCESTER CO, YORK CO

Yorktown Beach

YRKPH

VA Overall AU Category: **5A**

Use	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Estuarine Bioassessments**		01487	**2004**	**2016**	VAT-F26E-01

CBP segment YRKPHa was assessed as impaired of the Clean Water Act's Aquatic Life Use Support Goal for the 2004 305(b) report due to the results of benthic BIBI probabilistic station surveys (VERSAR 2002). The segment remained impaired during the 2006 cycle.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River**

TMDL Group ID: **01487**

VAT-F27E_YRK01E06 — **York River** — GLOUCESTER CO, YORK CO — Gloucester Point Beach

YRKPH

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Estuarine Bioassessments**	0.02 SQUARE MILES	01487	**2004**	**2016**	VAT-F26E-01

CBP segment YRKPHa was assessed as impaired of the Clean Water Act's Aquatic Life Use Support Goal for the 2004 305(b) report due to the results of benthic BIBI probabilistic station surveys (VERSAR 2002). The segment remained impaired during the 2006 cycle.

Sources: Source Unknown

VAT-F27E_YRK02A00 — **York River - Lower** — GLOUCESTER CO, YORK CO — Segment starts at line across river from Roosevelt Pond to Mumfort Islands (RM 7.49), downstream to mouth (RM 0.0) near Thoroughfare Creek. No DSS shellfish condemnation.

YRKPH

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Estuarine Bioassessments**	11.56 SQUARE MILES	01487	**2004**	**2016**	VAT-F26E-01

CBP segment YRKPHa was assessed as impaired of the Clean Water Act's Aquatic Life Use Support Goal for the 2004 305(b) report due to the results of benthic BIBI probabilistic station surveys (VERSAR 2002). The segment remained impaired during the 2006 cycle.

Sources: Source Unknown

VAT-F27E_YRK02B00 — **York R (Lower - administrative closures DSS 6B&C)** — YORK CO — Described in VDH-DSS (administrative) shellfish condemnation 052-006 B&C, 3/7/2002 adjacent Wormley Cr., HRSD STP & power plant and refinery.

YRKPH

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Estuarine Bioassessments**	0.51 SQUARE MILES	01487	**2004**	**2016**	VAT-F26E-01

CBP segment YRKPHa was assessed as impaired of the Clean Water Act's Aquatic Life Use Support Goal for the 2004 305(b) report due to the results of benthic BIBI probabilistic station surveys (VERSAR 2002). The segment remained impaired during the 2006 cycle.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River**

TMDL Group ID: **01487**

VAT-F27E_YRK02C00	York River - AMOCO	YORK CO	Segment within YRK02A00, DSS (ADMINISTRATIVE) shellfish condemnation #052-006A, 3/7/2002 (portion in York R), adjacent Wormley Cr. & AMOCO. YRKPH

VA Overall AU Category: **5A**

Use	Impairment	2.75 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Estuarine Bioassessments**		01487	**2004**	**2016**	VAT-F26E-01 CBP segment YRKPHa was assessed as impaired of the Clean Water Act's Aquatic Life Use Support Goal for the 2004 305(b) report due to the results of benthic BIBI probabilistic station surveys (VERSAR 2002). The segment remained impaired during the 2006 cycle.

Sources: Source Unknown

TMDL Group ID: **70002**

VAT-F26E_YRK01A04	York River	KING AND QUEEN CO NEW KENT CO	Start of York River at West Point (RM 32.0) downstream to the boundary of DSS condemnation # 049-004A. Segment expanded in 2006 YRKMH

VA Overall AU Category: **5A**

Use	Impairment	5.48 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Enterococcus**		70002	**2006**	**2018**	VAT-F26E-05 This segment of the York River was assessed as not supporting the Recreation Use due to an enterococci violation rate of 7/28 at station 8-YRK031.39. The TMDL is due in 2018.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River and Tributaries**

TMDL Group ID: **70001**

VAT-F26E_QEN01A02 **Queen's Creek** YORK CO

South shore York River, south of Camp Peary Naval Reservation. From end of tidal waters downstream to mouth as described in DSS shellfish condemnation #051-035A, 10/17/2004.

Size adjusted in 2006

YRKMH

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.42	SQUARE MILES	70001	**2006**	**2018**	VAT-F26E-04

The segment is included under a 12/13/2004 VDH Fish Consumption Advisory due to polychlorinated biphenyls (PCBs) in fish tissue. The advisory recommends that adults eat no more than two meals/month of croaker, gizzard shad, and spot. High risk individuals such as women who are pregnant or may become pregnant, nursing mothers, and young children are advised not to eat any fish contaminated with PCBs. The TMDL is due in 2018.

Sources: Source Unknown

VAT-F26E_YRK01A04 **York River** KING AND QUEEN CO, NEW KENT CO

Start of York River at West Point (RM 32.0) downstream to the boundary of DSS condemnation # 049-004A. Segment expanded in 2006

YRKMH

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	5.48	SQUARE MILES	70001	**2006**	**2018**	VAT-F26E-04

The segment is included under a 12/13/2004 VDH Fish Consumption Advisory due to polychlorinated biphenyls (PCBs) in fish tissue. The advisory recommends that adults eat no more than two meals/month of croaker, gizzard shad, and spot. High risk individuals such as women who are pregnant or may become pregnant, nursing mothers, and young children are advised not to eat any fish contaminated with PCBs. The TMDL is due in 2018.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River and Tributaries**

TMDL Group ID: **70001**

VAT-F26E_YRK02A02 — **York River (Middle)** — JAMES CITY CO, NEW KENT CO

Segment starts at end of VDH-DSS condemnation 049-004A, 11/5/2004 and extends downstream to the MSN boundary near Mt. Folly/Poropotank Bay

YRKMH

VA Overall AU Category: **5A**

Use	Impairment	4.81 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		70001	**2006**	**2018**	VAT-F26E-04

The segment is included under a 12/13/2004 VDH Fish Consumption Advisory due to polychlorinated biphenyls (PCBs) in fish tissue. The advisory recommends that adults eat no more than two meals/month of croaker, gizzard shad, and spot. High risk individuals such as women who are pregnant or may become pregnant, nursing mothers, and young children are advised not to eat any fish contaminated with PCBs. The TMDL is due in 2018.

Sources: Source Unknown

VAT-F26E_YRK02B06 — **York River (Middle)** — GLOUCESTER CO, KING AND QUEEN CO

Segment starts at MSN boundary near Mt. Folly/Poropotank Bay downstream to line from Skimino Cr. to north shore @ Rt 618 at Copahasic (RM 18.8) . No DSS condemnation.

YRKMH

VA Overall AU Category: **5A**

Use	Impairment	9.47 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		70001	**2006**	**2018**	VAT-F26E-04

The segment is included under a 12/13/2004 VDH Fish Consumption Advisory due to polychlorinated biphenyls (PCBs) in fish tissue. The advisory recommends that adults eat no more than two meals/month of croaker, gizzard shad, and spot. High risk individuals such as women who are pregnant or may become pregnant, nursing mothers, and young children are advised not to eat any fish contaminated with PCBs.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River and Tributaries**

TMDL Group ID: **70001**

VAT-F26E_YRK03A00 — **York River (Lower)** — GLOUCESTER CO, YORK CO

Segment starts at line from Skimino Cr. to N shore @ Rt 618 @ Copahasic (RM 18.7) and extends downstream to the mesohaline/polyhaline boundary.

Segment extent and size altered in 2006

YRKMH

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	13.20	SQUARE MILES	70001	**2006**	**2018**	VAT-F26E-04

The segment is included under a 12/13/2004 VDH Fish Consumption Advisory due to polychlorinated biphenyls (PCBs) in fish tissue. The advisory recommends that adults eat no more than two meals/month of croaker, gizzard shad, and spot. High risk individuals such as women who are pregnant or may become pregnant, nursing mothers, and young children are advised not to eat any fish contaminated with PCBs.

Sources: Source Unknown

VAT-F27E_KNG01A02 — **King Creek - Upper** — YORK CO

South shore of York River. East of Pennimon Spit, within Naval Weapons Station facility. Headwaters area of creek downstream to RM 0.50. Portion of VDH-DSS condemnation 051-035C, 10/7/2004

YRKPH

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.19	SQUARE MILES	70001	**2006**	**2018**	VAT-F26E-04

Kings Creek is included under a 12/13/2004 VDH Fish Consumption Advisory due to polychlorinated biphenyls (PCBs) in fish tissue. The advisory recommends that adults eat no more than two meals/month of croaker, gizzard shad, and spot. High risk individuals such as women who are pregnant or may become pregnant, nursing mothers, and young children are advised not to eat any fish contaminated with PCBs.

There were exceedances of PCB tissue threshold levels in croaker and gizzard shad at station 8-KNG001.36 in 2003.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River and Tributaries**

TMDL Group ID: **70001**

VAT-F27E_KNG02A02 **King Creek - Lower** YORK CO

South shore of York River. East of Pennimon Spit, within Naval Weapons Station facility. From RM 0.5 to mouth of creek at confluence with York River (RM 0.0). Portion of VDH-DSS condemnation 051-035C, 10/7/2004.

YRKPH

VA Overall AU Category: **5A**

Use	Impairment	0.14 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		70001	**2004**	**2014**	VAT-F27E-06/VAT-F26E-04

There were sufficient exceedances of criterion-based fish tissue value for PCBs in 4 species of fish sampled in 2000 at monitoring station (8-KNG000.18) to assess this segment as not supporting of the Clean Water Act's Fish Consumption Use Support Goal for the 2002 305(b) report. The TMDL is due in 2014. In addition, during the 2006 cycle, Kings Creek was included under a 12/13/2004 VDH Fish Consumption Advisory due to polychlorinated biphenyls (PCBs) in fish tissue. The advisory recommends that adults eat no more than two meals/month of croaker, gizzard shad, and spot. High risk individuals such as women who are pregnant or may become pregnant, nursing mothers, and young children are advised not to eat any fish contaminated with PCBs.

Sources: Source Unknown

VAT-F27E_WOR01A00 **Wormley Creek (Upper)** YORK CO

South shore York River near Amoco facility southeast of Gloucester Point. Upstream portion of DSS (ADMINISTRATIVE) condemnation #052-006A.

YRKPH

VA Overall AU Category: **5A**

Use	Impairment	0.17 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		70001	**2006**	**2018**	VAT-F26E-04

Tidal Wormleys Creek is included under a 12/13/2004 VDH Fish Consumption Advisory due to polychlorinated biphenyls (PCBs) in fish tissue. The advisory recommends that adults eat no more than two meals/month of croaker, gizzard shad, and spot. High risk individuals such as women who are pregnant or may become pregnant, nursing mothers, and young children are advised not to eat any fish contaminated with PCBs.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River and Tributaries**

TMDL Group ID: **70001**

VAT-F27E_WOR02A02 **Wormley Creek (Lower)** YORK CO

South shore York River near Amoco facility southeast of Gloucester Point. One half mile around CORE fish tissue station @ 8-WOR000.35. Downstream portion of DSS condemnation no. 052-006A, 3/7/2002

YRKPH

VA Overall AU Category: **5A**

Use	Impairment	0.16 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		70001	**2004**	**2014**	VAT-F27E-07/VAT-F26E-04

Data collected for PCBs in fish tissue @ 8-WOR000.35 indicated sufficient exceedance of the criterion based tissue values is used to evaluate this segment as not supporting of the Clean Water Act's Fish Consumption Use Support Goal for the 2002 305(b) report.

During the 2006 cycle, tidal Wormleys Creek was included under a 12/13/2004 VDH Fish Consumption Advisory due to polychlorinated biphenyls (PCBs) in fish tissue. The advisory recommends that adults eat no more than two meals/month of croaker, gizzard shad, and spot. High risk individuals such as women who are pregnant or may become pregnant, nursing mothers, and young children are advised not to eat any fish contaminated with PCBs.

Sources: Source Unknown

VAT-F27E_YRK01A00 **York River (Lower Middle)** GLOUCESTER CO YORK CO

The polyhaline boundary downstream to line from Roosevelt Pond N to Mumfort Islands at RM 7.49, excluding otherwise segmented DSS shellfish condemnation areas.

YRKPH

VA Overall AU Category: **5A**

Use	Impairment	8.30 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		70001	**2006**	**2018**	VAT-F26E-04

The segment is included under a 12/13/2004 VDH Fish Consumption Advisory due to polychlorinated biphenyls (PCBs) in fish tissue. The advisory recommends that adults eat no more than two meals/month of croaker, gizzard shad, and spot. High risk individuals such as women who are pregnant or may become pregnant, nursing mothers, and young children are advised not to eat any fish contaminated with PCBs.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River and Tributaries**

TMDL Group ID: **70001**

VAT-F27E_YRK01B00 **York R (DSS Condemnation - Cheatham Annex)** YORK CO

Segment adjacent to Cheatham Annex, VDH-DSS condemnation 051-035B, 10/7/2004 - administratively condemned due to National Security.

Size adjusted in 2006.

YRKPH

VA Overall AU Category: **5A**

Use	Impairment	0.26 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		70001	**2006**	**2018**	VAT-F26E-04

The segment is included under a 12/13/2004 VDH Fish Consumption Advisory due to polychlorinated biphenyls (PCBs) in fish tissue. The advisory recommends that adults eat no more than two meals/month of croaker, gizzard shad, and spot. High risk individuals such as women who are pregnant or may become pregnant, nursing mothers, and young children are advised not to eat any fish contaminated with PCBs.

Sources: Source Unknown

VAT-F27E_YRK01C00 **York R (DSS Condemnation - Naval Weapons Sta.)** YORK CO

Segment adjacent to Yorktown Naval Weapons Sta., VDH-DSS condemnation 051-040, 9/18/2001 - administratively closed due to National Security.

Size adjusted in 2006 cycle

YRKPH

VA Overall AU Category: **5A**

Use	Impairment	0.23 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		70001	**2006**	**2018**	VAT-F26E-04

The segment is included under a 12/13/2004 VDH Fish Consumption Advisory due to polychlorinated biphenyls (PCBs) in fish tissue. The advisory recommends that adults eat no more than two meals/month of croaker, gizzard shad, and spot. High risk individuals such as women who are pregnant or may become pregnant, nursing mothers, and young children are advised not to eat any fish contaminated with PCBs.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River and Tributaries**

TMDL Group ID: **70001**

VAT-F27E_YRK01D06 **York River** GLOUCESTER CO YORK CO Yorktown Beach YRKPH

VA Overall AU Category: **5A**

Use	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		70001	**2006**	**2018**	VAT-F26E-04 (PCBs)

The segment is included under a 12/13/2004 VDH Fish Consumption Advisory due to polychlorinated biphenyls (PCBs) in fish tissue. The advisory recommends that adults eat no more than two meals/month of croaker, gizzard shad, and spot. High risk individuals such as women who are pregnant or may become pregnant, nursing mothers, and young children are advised not to eat any fish contaminated with PCBs.

Sources: Source Unknown

VAT-F27E_YRK01E06 **York River** GLOUCESTER CO YORK CO Gloucester Point Beach YRKPH

VA Overall AU Category: **5A**

Use	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		70001	**2006**	**2018**	VAT-F26E-04 (PCBs)

The segment is included under a 12/13/2004 VDH Fish Consumption Advisory due to polychlorinated biphenyls (PCBs) in fish tissue. The advisory recommends that adults eat no more than two meals/month of croaker, gizzard shad, and spot. High risk individuals such as women who are pregnant or may become pregnant, nursing mothers, and young children are advised not to eat any fish contaminated with PCBs.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River and Tributaries**

TMDL Group ID: **70001**

VAT-F27E_YRK02A00 — **York River - Lower** — GLOUCESTER CO, YORK CO

Segment starts at line across river from Roosevelt Pond to Mumfort Islands (RM 7.49), downstream to mouth (RM 0.0) near Thoroughfare Creek. No DSS shellfish condemnation.

YRKPH

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	11.56	SQUARE MILES	70001	**2006**	**2018**	VAT-F26E-04 (PCBs)

The segment is included under a 12/13/2004 VDH Fish Consumption Advisory due to polychlorinated biphenyls (PCBs) in fish tissue. The advisory recommends that adults eat no more than two meals/month of croaker, gizzard shad, and spot. High risk individuals such as women who are pregnant or may become pregnant, nursing mothers, and young children are advised not to eat any fish contaminated with PCBs.

Sources: Source Unknown

VAT-F27E_YRK02B00 — **York R (Lower - administrative closures DSS 6B&C)** — YORK CO

Described in VDH-DSS (administrative) shellfish condemnation 052-006 B&C, 3/7/2002 adjacent Wormley Cr., HRSD STP & power plant and refinery.

YRKPH

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.51	SQUARE MILES	70001	**2006**	**2018**	VAT-F26E-04

The segment is included under a 12/13/2004 VDH Fish Consumption Advisory due to polychlorinated biphenyls (PCBs) in fish tissue. The advisory recommends that adults eat no more than two meals/month of croaker, gizzard shad, and spot. High risk individuals such as women who are pregnant or may become pregnant, nursing mothers, and young children are advised not to eat any fish contaminated with PCBs.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River and Tributaries**

TMDL Group ID: **70001**

VAT-F27E_YRK02C00	**York River - AMOCO**	YORK CO	Segment within YRK02A00, DSS (ADMINISTRATIVE) shellfish condemnation #052-006A, 3/7/2002 (portion in York R), adjacent Wormley Cr. & AMOCO. YRKPH

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	2.75	SQUARE MILES	70001	**2006**	**2018**	VAT-F26E-04 (PCBs) The segment is included under a 12/13/2004 VDH Fish Consumption Advisory due to polychlorinated biphenyls (PCBs) in fish tissue. The advisory recommends that adults eat no more than two meals/month of croaker, gizzard shad, and spot. High risk individuals such as women who are pregnant or may become pregnant, nursing mothers, and young children are advised not to eat any fish contaminated with PCBs.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River Mesohaline Embayments**

TMDL Group ID: **00330**

VAT-F26E_ABD01A00	Aberdeen Creek	GLOUCESTER CO	Southeast of Clay Bank, south of Rt. 631. From the end of tidal waters downstream to the mouth. DSS shellfish direct harvesting condemnation # 047-078 A. YRKMH

VA Overall AU Category: **5A**

Use	Impairment	0.13 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		00330	**2006**	**2010**	VAT-F26E-02 The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		00330	**2006**	**2010**	VAT-F26E-02 The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria provided by the CBPO 12/1/2005.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River Mesohaline Embayments**

TMDL Group ID: **00330**

VAT-F26E_ADM01A00	Adams Creek	GLOUCESTER CO	Eastern shore of York River near Purtan Island. VDH-DSS shellfish condemnation # 048-128B, 11/5/2004. Size adjusted in 2006 cycle, although area did not change YRKMH

VA Overall AU Category: **5A**

Use	Impairment	0.18 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		00330	**2006**	**2010**	VAT-F26E-02 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Mesohaline segment failed the Shallow Water Use's submerged aquatic vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		00330	**2006**	**2010**	VAT-F26E-02 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Mesohaline segment failed the Shallow Water Use's submerged aquatic vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River Mesohaline Embayments**

TMDL Group ID: **00330**

VAT-F26E_BAK01A00	Bakers Creek	KING AND QUEEN CO	North shore York R SE of West Point Municipal Airport. Estuarine portion of creek. Portion of DSS condemnation # 049-004A. YRKMH

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		00330	**2006**	**2010**	VAT-F26E-02 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Mesohaline segment failed the Shallow Water Use's submerged aquatic vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		00330	**2006**	**2010**	VAT-F26E-02 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Mesohaline segment failed the Shallow Water Use's submerged aquatic vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River Mesohaline Embayments**

TMDL Group ID: **00330**

VAT-F26E_BND01A06	Bland Creek	GLOUCESTER CO	Tidal limit to mouth YRKMH

VA Overall AU Category: **5A**

Use	Impairment	0.05 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		00330	**2006**	**2010**	VAT-F26E-02 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Mesohaline segment failed the Shallow Water Use's submerged aquatic vegetation acreage requirements

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		00330	**2006**	**2010**	VAT-F26E-02 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Mesohaline segment failed the Shallow Water Use's submerged aquatic vegetation acreage requirements

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River Mesohaline Embayments**

TMDL Group ID: **00330**

VAT-F26E_CTC01A06	Carter Creek	YORK CO	Located in York County near Skimino. From mouth to estuarine/riverine transition. DSS condemnation #050-079. YRKMH

VA Overall AU Category: **5A**

Use	Impairment	0.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		00330	**2006**	**2010**	VAT-F26E-02 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Mesohaline segment failed the Shallow Water Use's submerged aquatic vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		00330	**2006**	**2010**	VAT-F26E-02 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Mesohaline segment failed the Shallow Water Use's submerged aquatic vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River Mesohaline Embayments**

TMDL Group ID: **00330**

VAT-F26E_FOX01A06	Fox Creek	GLOUCESTER CO	Fox Creek trib to York River. Located southeast of Almondsville in Gloucester Co. DSS condemnation # 72, 4/27/1989. YRKMH

VA Overall AU Category: **5A**

Use	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		00330	**2006**	**2010**	VAT-F26E-02 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Mesohaline segment failed the Shallow Water Use's submerged aquatic vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		00330	**2006**	**2010**	VAT-F26E-02 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Mesohaline segment failed the Shallow Water Use's submerged aquatic vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River Mesohaline Embayments**

TMDL Group ID: **00330**

VAT-F26E_HCK01A04	Hockley Creek	KING AND QUEEN CO	North shore York R NW of Belleview. Portion of DSS condemnation # 049-004A. YRKMH

VA Overall AU Category: **5A**

Use	Impairment	0.04 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		00330	**2006**	**2010**	VAT-F26E-02 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Mesohaline segment failed both the Open Water Use's summer dissolved oxygen criteria and the Shallow Water Use's submerged aquatic vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		00330	**2006**	**2010**	VAT-F26E-02 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Mesohaline segment failed the Shallow Water Use's submerged aquatic vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River Mesohaline Embayments**

TMDL Group ID: **00330**

VAT-F26E_JNS01A00	**Jones Creek**	GLOUCESTER CO	NW of Clay Bank, between Rts 618 & 616. From mouth to estuarine/riverine transition as described in DSS shellfish condemnation # 047-115, 11/7/2002. YRKMH

VA Overall AU Category: **5A**

Use	Impairment	0.06 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		00330	**2006**	**2010**	VAT-F26E-02 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Mesohaline segment failed the Shallow Water Use's submerged aquatic vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		00330	**2006**	**2010**	VAT-F26E-02, During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Mesohaline segment failed the Shallow Water Use's submerged aquatic vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River Mesohaline Embayments**

TMDL Group ID: **00330**

VAT-F26E_PHB01A00	Philbates Creek	NEW KENT CO	From dam to confluence with York River. DSS shellfish condemnation #049-004A. YRKMH

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		00330	**2006**	**2010**	VAT-F26E-02 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Mesohaline segment failed the Shallow Water Use's submerged aquatic vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		00330	**2006**	**2010**	VAT-F26E-02 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Mesohaline segment failed the Shallow Water Use's submerged aquatic vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River Mesohaline Embayments**

TMDL Group ID: **00330**

VAT-F26E_PTK01A00	**Poropotank River & Morris Bay**	GLOUCESTER CO KING AND QUEEN CO	Described in VDH-DSS shellfish condemnation # 128A, 11/5/2004 Segment altered in 2006 YRKMH.

VA Overall AU Category: **5A**

Use	Impairment	0.83 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		00330	**2006**	**2010**	VAT-F26E-02 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Mesohaline segment failed the Shallow Water Use's submerged aquatic vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		00330	**2006**	**2010**	VAT-F26E-02 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Mesohaline segment failed the Shallow Water Use's submerged aquatic vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River Mesohaline Embayments**

TMDL Group ID: **00330**

VAT-F26E_QEN01A02	**Queen's Creek**	YORK CO	South shore York River, south of Camp Peary Naval Reservation. From end of tidal waters downstream to mouth as described in DSS shellfish condemnation #051-035A, 10/17/2004. Size adjusted in 2006 YRKMH

VA Overall AU Category: **5A**

Use	Impairment	0.42 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		00330	**2006**	**2010**	VAT-F26E-02 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Mesohaline segment failed the Shallow Water Use's submerged aquatic vegetation acreage requirements. The TMDL is due in 2010.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		00330	**2006**	**2010**	VAT-F26E-02 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Mesohaline segment failed the Shallow Water Use's submerged aquatic vegetation acreage requirements. The TMDL is due in 2010.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River Mesohaline Embayments**

TMDL Group ID: **00330**

VAT-F26E_SKM01A00	Skimino Creek	YORK CO	From estuarine/riverine transition to mouth. DSS shellfish condemnation #050-087, 8/25/2000. YRKMH

VA Overall AU Category: **5A**

Use	Impairment	0.07 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		00330	**2006**	**2010**	VAT-F26E-02 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Mesohaline segment failed the Shallow Water Use's submerged aquatic vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		00330	**2006**	**2010**	VAT-F26E-02 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Mesohaline segment failed the Shallow Water Use's submerged aquatic vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River Mesohaline Embayments**

TMDL Group ID: **00330**

VAT-F26E_TSK01A00	**Taskinas Creek**	JAMES CITY CO	As described in DSS shellfish condemnation #166, 4/27/1989. YRKMH

VA Overall AU Category: **5A**

Use	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		00330	**2006**	**2010**	VAT-F26E-02 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Mesohaline segment failed the Shallow Water Use's submerged aquatic vegetation acreage requirements

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		00330	**2006**	**2010**	VAT-F26E-02 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Mesohaline segment failed the Shallow Water Use's submerged aquatic vegetation acreage requirements

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River Mesohaline Embayments**

TMDL Group ID: **00330**

VAT-F26E_WRE01A00	Ware Creek	JAMES CITY CO NEW KENT CO	Tidal portion of creek and tribs as described in DSS shellfish condemnation #73, 4/27/1989. YRKMH

VA Overall AU Category: **5A**

Use	Impairment	0.10 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		00330	**2006**	**2010**	VAT-F26E-02, During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Mesohaline segment failed the Shallow Water Use's submerged aquatic vegetation acreage requirements

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		00330	**2006**	**2010**	VAT-F26E-02 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Mesohaline segment failed the Shallow Water Use's submerged aquatic vegetation acreage requirements

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River Mesohaline Embayments**

TMDL Group ID: **00330**

VAT-F26E_YRK01A04	**York River**	KING AND QUEEN CO NEW KENT CO	Start of York River at West Point (RM 32.0) downstream to the boundary of DSS condemnation # 049-004A. Segment expanded in 2006 YRKMH

VA Overall AU Category: **5A**

Use	Impairment	5.48 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		00330	**2006**	**2010**	VAT-F26E-02 The mainstem York River was included in EPA's 1998 303(d) Overlisting as impaired of the Aquatic Life Use; the impairment was attributed to excessive nutrients. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Mesohaline segment failed the Shallow Water Use's submerged aquatic vegetation acreage requirements. The TMDL is due in 2010

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**	00330	**2006**	**2010**	VAT-F26E-02 The mainstem York River was included in EPA's 1998 303(d) Overlisting as impaired of the Aquatic Life Use; the impairment was attributed to excessive nutrients. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Mesohaline segment failed the Shallow Water Use's submerged aquatic vegetation acreage requirements. The TMDL is due in 2010

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River Mesohaline Embayments**

TMDL Group ID: **00330**

VAT-F26E_YRK02A02	York River (Middle)	JAMES CITY CO NEW KENT CO	Segment starts at end of VDH-DSS condemnation 049-004A, 11/5/2004 and extends downstream to the MSN boundary near Mt. Folly/Poropotank Bay YRKMH

VA Overall AU Category: **5A**

Use	Impairment	4.81 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		00330	**2006**	**2010**	VAT-F26E-02 The mainstem York River was included in EPA's 1998 303(d) Overlisting as impaired of the Aquatic Life Use; the impairment was attributed to excessive nutrients. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Mesohaline segment failed the Shallow Water Use's submerged aquatic vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		00330	**2006**	**2010**	VAT-F26E-02 The mainstem York River was included in EPA's 1998 303(d) Overlisting as impaired of the Aquatic Life Use; the impairment was attributed to excessive nutrients. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Mesohaline segment failed the Shallow Water Use's submerged aquatic vegetation acreage requirements. The TMDL is due in 2010

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River Mesohaline Embayments**

TMDL Group ID: **00330**

VAT-F26E_YRK02B06	**York River (Middle)**	GLOUCESTER CO KING AND QUEEN CO	Segment starts at MSN boundary near Mt. Folly/Poropotank Bay downstream to line from Skimino Cr. to north shore @ Rt 618 at Copahasic (RM 18.8) . No DSS condemnation. YRKMH

VA Overall AU Category: **5A**

Use	Impairment	9.47 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		00330	**2006**	**2010**	VAT-F26E-02 The mainstem York River was included in EPA's 1998 303(d) Overlisting as impaired of the Aquatic Life Use; the impairment was attributed to excessive nutrients. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Mesohaline segment failed the Shallow Water Use's submerged aquatic vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**	00330	**2006**	**2010**	VAT-F26E-02 The mainstem York River was included in EPA's 1998 303(d) Overlisting as impaired of the Aquatic Life Use; the impairment was attributed to excessive nutrients. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Mesohaline segment failed the Shallow Water Use's submerged aquatic vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River Mesohaline Embayments**

TMDL Group ID: **00330**

VAT-F26E_YRK03A00	**York River (Lower)**	GLOUCESTER CO YORK CO	Segment starts at line from Skimino Cr. to N shore @ Rt 618 @ Copahasic (RM 18.7) and extends downstream to the mesohaline/polyhaline boundary. Segment extent and size altered in 2006 YRKMH

VA Overall AU Category: **5A**

Use	Impairment	13.20 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		00330	**2006**	**2010**	VAT-F26E-02 The mainstem York River was included in EPA's 1998 303(d) Overlisting as impaired of the Aquatic Life Use; the impairment was attributed to excessive nutrients. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Mesohaline segment failed the Shallow Water Use's submerged aquatic vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		00330	**2006**	**2010**	VAT-F26E-02 The mainstem York River was included in EPA's 1998 303(d) Overlisting as impaired of the Aquatic Life Use; the impairment was attributed to excessive nutrients. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Mesohaline segment failed the Shallow Water Use's submerged aquatic vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River Mesohaline Embayments**

TMDL Group ID: **00330**

VAT-F26E_ZZZ01A00	**Unsegmented estuaries in F26E**	GLOUCESTER CO KING AND QUEEN CO	Non segmented areas of F26. No DSS condemnation in this portion of York River. YRKMH

VA Overall AU Category: **5A**

Use	Impairment	0.48 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		00330	**2006**	**2010**	VAT-F26E-02 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Mesohaline segment failed the Shallow Water Use's submerged aquatic vegetation acreage requirements

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		00330	**2006**	**2010**	VAT-F26E-02 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Mesohaline segment failed the Shallow Water Use's submerged aquatic vegetation acreage requirements

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River Mesohaline Embayments**

TMDL Group ID: **00330**

VAT-F26E_ZZZ01B06	**Unsegmented estuaries in F26E**	JAMES CITY CO NEW KENT CO	Non segmented areas of F26 within MSN. No DSS condemnation in this portion of York River. YRKMH

VA Overall AU Category: **5A**

Use	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		00330	**2006**	**2010**	VAT-F26E-02 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Mesohaline segment failed the Shallow Water Use's submerged aquatic vegetation acreage requirements

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		00330	**2006**	**2010**	VAT-F26E-02 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Mesohaline segment failed the Shallow Water Use's submerged aquatic vegetation acreage requirements

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River Mesohaline Embayments**

TMDL Group ID: **00330**

VAT-F26E_ZZZ02A06	**Unsegmented estuaries in F26E**	KING AND QUEEN CO NEW KENT CO	Non segmented areas within VDH-DSS condemnation 049-004A, 11/5/2004 YRKMH

VA Overall AU Category: **5A**

Use	Impairment	0.09 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		00330	**2006**	**2010**	VAT-F26E-02 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Mesohaline segment failed the Shallow Water Use's submerged aquatic vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		00330	**2006**	**2010**	VAT-F26E-02 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Mesohaline segment failed the Shallow Water Use's submerged aquatic vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River Mesohaline Embayments**

TMDL Group ID: **00330**

VAT-F27E_CDB01A00	**Cedarbush Creek - Upper**	GLOUCESTER CO	North shore York River, north of Catlett Islands. VDH- DSS condemnation 047-107B, 12/30/2004 Segment expanded in 2006 cycle. YRKPH

VA Overall AU Category: **5A**

Use	Impairment	0.08 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		00330	**2006**	**2010**	VAT-F26E-08 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Polyhaline segment failed the Shallow Water Use's submerged aquatic vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		00330	**2006**	**2010**	VAT-F26E-08 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Polyhaline segment failed the Shallow Water Use's submerged aquatic vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River Mesohaline Embayments**

TMDL Group ID: **00330**

VAT-F27E_CDB02A00	Cedarbush Creek - Lower	GLOUCESTER CO	North shore York River, north of Catlett Islands. Downstream of VDH-DSS condemnation. YRKPH

VA Overall AU Category: **5A**

Use	Impairment	0.17 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		00330	**2006**	**2010**	VAT-F26E-08 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Polyhaline segment failed the Shallow Water Use's submerged aquatic vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		00330	**2006**	**2010**	VAT-F26E-08 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Polyhaline segment failed the Shallow Water Use's submerged aquatic vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River Mesohaline Embayments**

TMDL Group ID: **00330**

VAT-F27E_CRT01A00	**Carter Creek (Gloucester County) - Upper portion**	GLOUCESTER CO	North shore York R located NW of Catlett Islands. Upper portion of creek, as described in VDH-DSS condemnation 047-107A, 12/30/2004. Segment expanded in 2006 cycle. YRKPH

VA Overall AU Category: **5A**

Use	Impairment	0.17 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		00330	**2006**	**2010**	VAT-F26E-08 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Polyhaline segment failed the Shallow Water Use's submerged aquatic vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		00330	**2006**	**2010**	VAT-F26E-08 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Polyhaline segment failed the Shallow Water Use's submerged aquatic vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River Mesohaline Embayments**

TMDL Group ID: **00330**

VAT-F27E_CRT02A00	**Carter Creek - Lower Portion (Gloucester County)**	GLOUCESTER CO	North shore York R located NW of Catlett Islands. Downstream of VDH-DSS condemnation area. YRKPH

VA Overall AU Category: **5A**

Use	Impairment	0.19 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		00330	**2006**	**2010**	VAT-F26E-08 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Polyhaline segment failed the Shallow Water Use's submerged aquatic vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		00330	**2006**	**2010**	VAT-F26E-08 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Polyhaline segment failed the Shallow Water Use's submerged aquatic vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River Mesohaline Embayments**

TMDL Group ID: **00330**

VAT-F27E_FEL01A00	**Felgate's Creek**	YORK CO	South of Pennimon Spit, within Naval Weapons Station. Segment extends from headwaters downstream to mouth. Portion of DSS condemnation # 051-035C. In 2006: Merged with FEL02A00, which was deleted. YRKPH

VA Overall AU Category: **5A**

Use	Impairment	0.25 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		00330	**2006**	**2010**	VAT-F26E-08 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Polyhaline segment failed the Shallow Water Use's submerged aquatic vegetation acreage requirements.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Clean Sediments
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sediment Resuspension (Clean Sediment)
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		00330	**2006**	**2010**	VAT-F26E-08 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Polyhaline segment failed the Shallow Water Use's submerged aquatic vegetation acreage requirements.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Clean Sediments
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sediment Resuspension (Clean Sediment)
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River Mesohaline Embayments**

TMDL Group ID: **00330**

VAT-F27E_IFC01A00	Indian Field Creek	YORK CO	Southeast of Pennimon Spit, within Naval Weapons Station. DSS condemnation no. 051-130, 11/12/1998. YRKPH

VA Overall AU Category: **5A**

Use	Impairment	0.12 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		00330	**2006**	**2010**	VAT-F26E-08 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Polyhaline segment failed the Shallow Water Use's submerged aquatic vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		00330	**2006**	**2010**	VAT-F26E-08 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Polyhaline segment failed the Shallow Water Use's submerged aquatic vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River Mesohaline Embayments**

TMDL Group ID: **00330**

VAT-F27E_KNG01A02	**King Creek - Upper**	YORK CO	South shore of York River. East of Pennimon Spit, within Naval Weapons Station facility. Headwaters area of creek downstream to RM 0.50. Portion of VDH-DSS condemnation 051-035C, 10/7/2004 YRKPH

VA Overall AU Category: **5A**

Use	Impairment	0.19 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		00330	**2006**	**2010**	VAT-F26E-08 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Polyhaline segment failed the Shallow Water Use's submerged aquatic vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		00330	**2006**	**2010**	VAT-F26E-08 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Polyhaline segment failed the Shallow Water Use's submerged aquatic vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River Mesohaline Embayments**

TMDL Group ID: **00330**

VAT-F27E_KNG02A02	**King Creek - Lower**	YORK CO	South shore of York River. East of Pennimon Spit, within Naval Weapons Station facility. From RM 0.5 to mouth of creek at confluence with York River (RM 0.0). Portion of VDH-DSS condemnation 051-035C, 10/7/2004. YRKPH

VA Overall AU Category: **5A**

Use	Impairment	0.14 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		00330	**2006**	**2010**	VAT-F26E-08 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Polyhaline segment failed the Shallow Water Use's submerged aquatic vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**	00330	**2006**	**2010**	VAT-F26E-08 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Polyhaline segment failed the Shallow Water Use's submerged aquatic vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River Mesohaline Embayments**

TMDL Group ID: **00330**

VAT-F27E_PRN01A00	Perrin River - Upper	GLOUCESTER CO	North shore York River near Cuba Island. From DSS marker "D-Buckle" upstream to headwaters. DSS condemnation # 046-081A, 10/2/2004. YRKPH

VA Overall AU Category: **5A**

Use	Impairment	0.12 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		00330	**2006**	**2010**	VAT-F26E-08 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Polyhaline segment failed the Shallow Water Use's submerged aquatic vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		00330	**2006**	**2010**	VAT-F26E-08 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Polyhaline segment failed the Shallow Water Use's submerged aquatic vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River Mesohaline Embayments**

TMDL Group ID: **00330**

VAT-F27E_PRN02A00	**Perrin River - Lower**	GLOUCESTER CO	North shore York River near Cuba Island. As described in DSS seasonal condemnation # 046-081 M1, 10/2/2004. YRKPH

VA Overall AU Category: **5A**

Use	Impairment	0.06 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		00330	**2006**	**2010**	VAT-F26E-08 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Polyhaline segment failed the Shallow Water Use's submerged aquatic vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		00330	**2006**	**2010**	VAT-F26E-08 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Polyhaline segment failed the Shallow Water Use's submerged aquatic vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River Mesohaline Embayments**

TMDL Group ID: **00330**

VAT-F27E_SRH01A00	Sarah Creek - Upper	GLOUCESTER CO	North shore York River near Gloucester Point. Segment extends from headwaters of branches of Sarah Creek downstream to narrows at Gloucester Banks. DSS condemnation # 046-052, 10/2/2004. YRKPH

VA Overall AU Category: **5A**

Use	Impairment	0.56 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		00330	**2006**	**2010**	VAT-F26E-08 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Polyhaline segment failed the Shallow Water Use's submerged aquatic vegetation acreage requirements.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Clean Sediments
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sediment Resuspension (Clean Sediment)
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		00330	**2006**	**2010**	VAT-F26E-08 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Polyhaline segment failed the Shallow Water Use's submerged aquatic vegetation acreage requirements.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Clean Sediments
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sediment Resuspension (Clean Sediment)
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River Mesohaline Embayments**

TMDL Group ID: **00330**

VAT-F27E_SRH02A00	**Sarah Creek - Lower**	GLOUCESTER CO	North shore York River near Gloucester Point. Segment extends from mouth (juncture with York River) upstream to narrows at Gloucester Banks. DSS seasonal condemnation # 046-052 M1, 10/2/2004. YRKPH

VA Overall AU Category: **5A**

Use	Impairment	0.17 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		00330	**2006**	**2010**	VAT-F26E-08 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Polyhaline segment failed the Shallow Water Use's submerged aquatic vegetation acreage requirements.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		00330	**2006**	**2010**	VAT-F26E-08 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Polyhaline segment failed the Shallow Water Use's submerged aquatic vegetation acreage requirements.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River Mesohaline Embayments**

TMDL Group ID: **00330**

VAT-F27E_TMB01A00	**Timberneck Creek**	GLOUCESTER CO	North shore York River, northeast of Catlett Islands. DSS condemnation 047-003, 11/4/2003. Area reduced and size adjusted in 2006 cycle YRKPH

VA Overall AU Category: **5A**

Use	Impairment	0.24 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		00330	**2006**	**2010**	VAT-F26E-08 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Polyhaline segment failed the Shallow Water Use's submerged aquatic vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		00330	**2006**	**2010**	VAT-F26E-08 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Polyhaline segment failed the Shallow Water Use's submerged aquatic vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River Mesohaline Embayments**

TMDL Group ID: **00330**

VAT-F27E_WOR01A00	**Wormley Creek (Upper)**	YORK CO	South shore York River near Amoco facility southeast of Gloucester Point. Upstream portion of DSS (ADMINISTRATIVE) condemnation #052-006A. YRKPH

VA Overall AU Category: **5A**

Use	Impairment	0.17 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		00330	**2006**	**2010**	VAT-F26E-08 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Polyhaline segment failed the Shallow Water Use's submerged aquatic vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		00330	**2006**	**2010**	VAT-F26E-08 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Polyhaline segment failed the Shallow Water Use's submerged aquatic vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River Mesohaline Embayments**

TMDL Group ID: **00330**

VAT-F27E_WOR02A02	Wormley Creek (Lower)	YORK CO	South shore York River near Amoco facility southeast of Gloucester Point. One half mile around CORE fish tissue station @ 8-WOR000.35. Downstream portion of DSS condemnation no. 052-006A, 3/7/2002 YRKPH

VA Overall AU Category: **5A**

Use	Impairment	0.16 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		00330	**2006**	**2010**	VAT-F26E-08 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Polyhaline segment failed the Shallow Water Use's submerged aquatic vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		00330	**2006**	**2010**	VAT-F26E-08 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Polyhaline segment failed the Shallow Water Use's submerged aquatic vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River Mesohaline Embayments**

TMDL Group ID: **00330**

VAT-F27E_YRK01A00	**York River (Lower Middle)**	GLOUCESTER CO YORK CO	The polyhaline boundary downstream to line from Roosevelt Pond N to Mumfort Islands at RM 7.49, excluding otherwise segmented DSS shellfish condemnation areas. YRKPH

VA Overall AU Category: **5A**

Use	Impairment	8.30 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		00330	**2006**	**2010**	VAT-F26E-08 The mainstem York River was included in EPA's 1998 303(d) Overlisting as impaired of the Aquatic Life Use; the impairment was attributed to excessive nutrients. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Polyhaline segment failed the Shallow Water Use's submerged aquatic vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**	00330	**2006**	**2010**	VAT-F26E-08 The mainstem York River was included in EPA's 1998 303(d) Overlisting as impaired of the Aquatic Life Use; the impairment was attributed to excessive nutrients. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Polyhaline segment failed the Shallow Water Use's submerged aquatic vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River Mesohaline Embayments**

TMDL Group ID: **00330**

VAT-F27E_YRK01B00	**York R (DSS Condemnation - Cheatham Annex)**	YORK CO	Segment adjacent to Cheatham Annex, VDH-DSS condemnation 051-035B, 10/7/2004 - administratively condemned due to National Security. Size adjusted in 2006. YRKPH

VA Overall AU Category: **5A**

Use	Impairment	0.26 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		00330	**2006**	**2010**	VAT-F26E-08 The mainstem York River was included in EPA's 1998 303(d) Overlisting as impaired of the Aquatic Life Use; the impairment was attributed to excessive nutrients. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Polyhaline segment failed the Shallow Water Use's submerged aquatic vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		00330	**2006**	**2010**	VAT-F26E-08 The mainstem York River was included in EPA's 1998 303(d) Overlisting as impaired of the Aquatic Life Use; the impairment was attributed to excessive nutrients. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Polyhaline segment failed the Shallow Water Use's submerged aquatic vegetation acreage requirements. T

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River Mesohaline Embayments**

TMDL Group ID: **00330**

VAT-F27E_YRK01C00	**York R (DSS Condemnation - Naval Weapons Sta.)**	YORK CO	Segment adjacent to Yorktown Naval Weapons Sta., VDH-DSS condemnation 051-040, 9/18/2001 - administratively closed due to National Security. Size adjusted in 2006 cycle YRKPH

VA Overall AU Category: **5A**

Use	Impairment	0.23 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		00330	**2006**	**2010**	VAT-F26E-08 The mainstem York River was included in EPA's 1998 303(d) Overlisting as impaired of the Aquatic Life Use; the impairment was attributed to excessive nutrients. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Polyhaline segment failed the Shallow Water Use's submerged aquatic vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		00330	**2006**	**2010**	VAT-F26E-08 The mainstem York River was included in EPA's 1998 303(d) Overlisting as impaired of the Aquatic Life Use; the impairment was attributed to excessive nutrients. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Polyhaline segment failed the Shallow Water Use's submerged aquatic vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River Mesohaline Embayments**

TMDL Group ID: **00330**

Sources: Sediment Resuspension (Clean Sediment)
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River Mesohaline Embayments**

TMDL Group ID: **00330**

VAT-F27E_YRK01D06	York River	GLOUCESTER CO YORK CO	Yorktown Beach YRKPH

VA Overall AU Category: **5A**

Use	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		00330	**2006**	**2010**	VAT-F26E-08 The mainstem York River was included in EPA's 1998 303(d) Overlisting as impaired of the Aquatic Life Use; the impairment was attributed to excessive nutrients. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Polyhaline segment failed the Shallow Water Use's submerged aquatic vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**	00330	**2006**	**2010**	VAT-F26E-08 The mainstem York River was included in EPA's 1998 303(d) Overlisting as impaired of the Aquatic Life Use; the impairment was attributed to excessive nutrients. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Polyhaline segment failed the Shallow Water Use's submerged aquatic vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River Mesohaline Embayments**

TMDL Group ID: **00330**

VAT-F27E_YRK01E06	**York River**	GLOUCESTER CO YORK CO	Gloucester Point Beach YRKPH

VA Overall AU Category: **5A**

Use	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		00330	**2006**	**2010**	VAT-F26E-08 The mainstem York River was included in EPA's 1998 303(d) Overlisting as impaired of the Aquatic Life Use; the impairment was attributed to excessive nutrients. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Polyhaline segment failed the Shallow Water Use's submerged aquatic vegetation acreage requirements.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Clean Sediments
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sediment Resuspension (Clean Sediment)
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		00330	**2006**	**2010**	VAT-F26E-08 The mainstem York River was included in EPA's 1998 303(d) Overlisting as impaired of the Aquatic Life Use; the impairment was attributed to excessive nutrients. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Polyhaline segment failed the Shallow Water Use's submerged aquatic vegetation acreage requirements.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Clean Sediments
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sediment Resuspension (Clean Sediment)
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River Mesohaline Embayments**

TMDL Group ID: **00330**

VAT-F27E_YRK02A00	**York River - Lower**	GLOUCESTER CO YORK CO	Segment starts at line across river from Roosevelt Pond to Mumfort Islands (RM 7.49), downstream to mouth (RM 0.0) near Thoroughfare Creek. No DSS shellfish condemnation. YRKPH

VA Overall AU Category: **5A**

Use	Impairment	11.56 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		00330	**2006**	**2010**	VAT-F26E-08 The mainstem York River was included in EPA's 1998 303(d) Overlisting as impaired of the Aquatic Life Use; the impairment was attributed to excessive nutrients. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Polyhaline segment failed the Shallow Water Use's submerged aquatic vegetation acreage requirements.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Clean Sediments
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sediment Resuspension (Clean Sediment)
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**	00330	**2006**	**2010**	VAT-F26E-08 The mainstem York River was included in EPA's 1998 303(d) Overlisting as impaired of the Aquatic Life Use; the impairment was attributed to excessive nutrients. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Polyhaline segment failed the Shallow Water Use's submerged aquatic vegetation acreage requirements.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Clean Sediments
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sediment Resuspension (Clean Sediment)
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River Mesohaline Embayments**

TMDL Group ID: **00330**

VAT-F27E_YRK02B00	**York R (Lower - administrative closures DSS 6B&C)**	YORK CO	Described in VDH-DSS (administrative) shellfish condemnation 052-006 B&C, 3/7/2002 adjacent Wormley Cr., HRSD STP & power plant and refinery. YRKPH

VA Overall AU Category: **5A**

Use	Impairment	0.51 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		00330	**2006**	**2010**	VAT-F26E-08 The mainstem York River was included in EPA's 1998 303(d) Overlisting as impaired of the Aquatic Life Use; the impairment was attributed to excessive nutrients. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Polyhaline segment failed the Shallow Water Use's submerged aquatic vegetation acreage requirements.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		00330	**2006**	**2010**	VAT-F26E-08 The mainstem York River was included in EPA's 1998 303(d) Overlisting as impaired of the Aquatic Life Use; the impairment was attributed to excessive nutrients. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Polyhaline segment failed the Shallow Water Use's submerged aquatic vegetation acreage requirements.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River Mesohaline Embayments**

TMDL Group ID: **00330**

VAT-F27E_YRK02C00	**York River - AMOCO**	YORK CO	Segment within YRK02A00, DSS (ADMINISTRATIVE) shellfish condemnation #052-006A, 3/7/2002 (portion in York R), adjacent Wormley Cr. & AMOCO. YRKPH

VA Overall AU Category: **5A**

Use	Impairment	2.75 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		00330	**2006**	**2010**	VAT-F26E-08 The mainstem York River was included in EPA's 1998 303(d) Overlisting as impaired of the Aquatic Life Use; the impairment was attributed to excessive nutrients. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Polyhaline segment failed the Shallow Water Use's submerged aquatic vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**	00330	**2006**	**2010**	VAT-F26E-08 The mainstem York River was included in EPA's 1998 303(d) Overlisting as impaired of the Aquatic Life Use; the impairment was attributed to excessive nutrients. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Polyhaline segment failed the Shallow Water Use's submerged aquatic vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River Mesohaline Embayments**

TMDL Group ID: **00330**

VAT-F27E_ZZZ01A00	**Unsegmented estuaries in F27E**	GLOUCESTER CO YORK CO	Non segmented estuarine areas of F27E - Lower York River. No DSS condemnations. YRKPH

VA Overall AU Category: **5A**

Use	Impairment	0.46 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Aquatic Plants (Macrophytes)**		00330	**2006**	**2010**	VAT-F26E-08 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Polyhaline segment failed the Shallow Water Use's submerged aquatic vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation	**Aquatic Plants (Macrophytes)**		00330	**2006**	**2010**	VAT-F26E-08 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Polyhaline segment failed the Shallow Water Use's submerged aquatic vegetation acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Clean Sediments
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sediment Resuspension (Clean Sediment)
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: York River Mesohaline Embayments

TMDL Group ID: 01778

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River Mesohaline Embayments**

TMDL Group ID: **01778**

VAP-F14E_PMK07A04	**Pamunkey River**	KING WILLIAM CO NEW KENT CO	Mesohaline boundary to mouth YRKMH

VA Overall AU Category: **5A**

Use	Impairment	0.39 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01778	**1998**	**2010**	VAP-F14E-05

The tidal Pamunkey River was initially listed on the 1998 303(d) list as fully supporting but threatened of the aquatic life use goal because a 1995 special study showed river subject to 33% violation rate of daily mean DO standard during warm weather conditions May through October. The estuarine Pamunkey River is considered fully allocated relative to dissolved oxygen. New discharges cannot result in further DO depression.

The Chesapeake Bay and its tidal tributaries were added by EPA to the 1998 303(d) list. EPA listed the impairment as dissolved oxygen violations caused by nutrient overenrichment. This listing included the entire mainstem estuarine Pamunkey River.

During the year 2004 cycle, the DO violation rate was 0/47 at 8-PMK048.80, 0/48 at 8-PMK006.36, 0/213 at 8-PMK034.17, 0/48 at 8-PMK056.87, and 10/200 at 8-PMK006.36. No chlorophyll A violations were recorded.

However, during the 2006 cycle, the new Chesapeake Bay water quality standards were adopted. The mesohaline York segment (which includes the mouths of the Pamunkey and Mattaponi Rivers) failed the CB 30-day open water summer dissolved oxygen criteria and the Shallow Water SAV acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River Mesohaline Embayments**

TMDL Group ID: **01778**

Open-Water Aquatic Life	**Oxygen, Dissolved**	01778	**1998**	**2010**	VAP-F14E-05

The tidal Pamunkey River was initially listed on the 1998 303(d) list as fully supporting but threatened of the aquatic life use goal because a 1995 special study showed river subject to 33% violation rate of daily mean DO standard during warm weather conditions May through October. The estuarine Pamunkey River is considered fully allocated relative to dissolved oxygen. New discharges cannot result in further DO depression.

The Chesapeake Bay and its tidal tributaries were added by EPA to the 1998 303(d) list. EPA listed the impairment as dissolved oxygen violations caused by nutrient overenrichment. This listing included the entire mainstem estuarine Pamunkey River.

During the year 2004 cycle, the DO violation rate was 0/47 at 8-PMK048.80, 0/48 at 8-PMK006.36, 0/213 at 8-PMK034.17, 0/48 at 8-PMK056.87, and 10/200 at 8-PMK006.36. No chlorophyll A violations were recorded.

However, during the 2006 cycle, the new Chesapeake Bay water quality standards were adopted. The mesohaline York segment (which includes the mouths of the Pamunkey and Mattaponi Rivers) failed the CB 30-day open water summer dissolved oxygen criteria and the Shallow Water SAV acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River Mesohaline Embayments**

TMDL Group ID: **01778**

VAP-F14E_ZZZ03A06	Unsegmented estuaries in F14	KING WILLIAM CO NEW KENT CO	Unsegmented portion of the watershed within SFC 004A & YRKMH

VA Overall AU Category: **5A**

Use	Impairment	0.08 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01778	**2006**	**2010**	VAP-F14E-05 During the 2006 cycle, the new Chesapeake Bay water quality standards were adopted. The mesohaline York segment (which includes the mouths of the Pamunkey and Mattaponi Rivers) failed the CB 30-day open water summer dissolved oxygen criteria and the Shallow Water SAV acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01778	**2006**	**2010**	VAP-F14E-05 During the 2006 cycle, the new Chesapeake Bay water quality standards were adopted. The mesohaline York segment (which includes the mouths of the Pamunkey and Mattaponi Rivers) failed the CB 30-day open water summer dissolved oxygen criteria and the Shallow Water SAV acreage requirements.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River Mesohaline Embayments**

TMDL Group ID: **01778**

VAT-F26E_ABD01A00	Aberdeen Creek	GLOUCESTER CO	Southeast of Clay Bank, south of Rt. 631. From the end of tidal waters downstream to the mouth. DSS shellfish direct harvesting condemnation # 047-078 A. YRKMH

VA Overall AU Category: **5A**

Use	Impairment	0.13 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01778	**2006**	**2010**	VAT-F26E-02 The Open-Water Aquatic Life Use is impaired based on failure to meet the 30-day dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Non-Point Source) Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01778	**2006**	**2010**	VAT-F26E-02 The Open-Water Aquatic Life Use is impaired based on failure to meet the 30-day dissolved oxygen criteria for Open Water - Summer (CFD reference conditions using the 2/26/2006 CFD results supplied by CBPO).
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Non-Point Source) Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River Mesohaline Embayments**

TMDL Group ID: **01778**

VAT-F26E_ADM01A00	Adams Creek	GLOUCESTER CO	Eastern shore of York River near Purtan Island. VDH-DSS shellfish condemnation # 048-128B, 11/5/2004. Size adjusted in 2006 cycle, although area did not change YRKMH

VA Overall AU Category: **5A**

Use	Impairment	0.18 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01778	**2006**	**2010**	VAT-F26E-02 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Mesohaline segment failed the Open Water Use's summer dissolved oxygen criteria.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01778	**2006**	**2010**	VAT-F26E-02 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Mesohaline segment failed the Open Water Use's summer dissolved oxygen criteria.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River Mesohaline Embayments**

TMDL Group ID: **01778**

VAT-F26E_BAK01A00	Bakers Creek	KING AND QUEEN CO	North shore York R SE of West Point Municipal Airport. Estuarine portion of creek. Portion of DSS condemnation # 049-004A. YRKMH

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01778	**2006**	**2010**	VAT-F26E-02 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Mesohaline segment failed both the Open Water Use's summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01778	**2006**	**2010**	VAT-F26E-02 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Mesohaline segment failed both the Open Water Use's summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River Mesohaline Embayments**

TMDL Group ID: **01778**

VAT-F26E_BND01A06	Bland Creek	GLOUCESTER CO	Tidal limit to mouth
			YRKMH

VA Overall AU Category: **5A**

Use	Impairment	0.05 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01778	**2006**	**2010**	VAT-F26E-02 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Mesohaline segment failed the Open Water Use's summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01778	**2006**	**2010**	VAT-F26E-02 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Mesohaline segment failed the Open Water Use's summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River Mesohaline Embayments**

TMDL Group ID: **01778**

VAT-F26E_CTC01A06	Carter Creek	YORK CO	Located in York County near Skimino. From mouth to estuarine/riverine transition. DSS condemnation #050-079. YRKMH

VA Overall AU Category: **5A**

Use	Impairment	0.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01778	**2006**	**2010**	VAT-F26E-02 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Mesohaline segment failed the Open Water Use's summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01778	**2006**	**2010**	VAT-F26E-02 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Mesohaline segment failed the Open Water Use's summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River Mesohaline Embayments**

TMDL Group ID: **01778**

VAT-F26E_FOX01A06	Fox Creek	GLOUCESTER CO	Fox Creek trib to York River. Located southeast of Almondsville in Gloucester Co. DSS condemnation # 72, 4/27/1989. YRKMH

VA Overall AU Category: **5A**

Use	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01778	**2006**	**2010**	VAT-F26E-02 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Mesohaline segment failed the Open Water Use's summer dissolved oxygen criteria.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01778	**2006**	**2010**	VAT-F26E-02 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Mesohaline segment failed the Open Water Use's summer dissolved oxygen criteria.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River Mesohaline Embayments**

TMDL Group ID: **01778**

VAT-F26E_HCK01A04	Hockley Creek	KING AND QUEEN CO	North shore York R NW of Belleview. Portion of DSS condemnation # 049-004A. YRKMH

VA Overall AU Category: **5A**

Use	Impairment	0.04 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01778	**2006**	**2010**	VAT-F26E-02 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Mesohaline segment failed the Open Water Use's summer dissolved oxygen criteria.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01778	**2006**	**2010**	VAT-F26E-02 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Mesohaline segment failed both the Open Water Use's summer dissolved oxygen criteria.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River Mesohaline Embayments**

TMDL Group ID: **01778**

VAT-F26E_JNS01A00	**Jones Creek**	GLOUCESTER CO	NW of Clay Bank, between Rts 618 & 616. From mouth to estuarine/riverine transition as described in DSS shellfish condemnation # 047-115, 11/7/2002. YRKMH

VA Overall AU Category: **5A**

Use	Impairment	0.06 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01778	**2006**	**2010**	VAT-F26E-02 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Mesohaline segment failed the Open Water Use's summer dissolved oxygen criteria.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01778	**2006**	**2010**	VAT-F26E-02 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Mesohaline segment failed the Open Water Use's summer dissolved oxygen criteria.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River Mesohaline Embayments**

TMDL Group ID: **01778**

VAT-F26E_PHB01A00	Philbates Creek	NEW KENT CO	From dam to confluence with York River. DSS shellfish condemnation #049-004A. YRKMH

VA Overall AU Category: **5A**

Use	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01778	**2006**	**2010**	VAT-F26E-02 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Mesohaline segment failed the Open Water Use's summer dissolved oxygen criteria.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**	01778	**2006**	**2010**	VAT-F26E-02 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Mesohaline segment failed the Open Water Use's summer dissolved oxygen criteria.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River Mesohaline Embayments**

TMDL Group ID: **01778**

VAT-F26E_PTK01A00	**Poropotank River & Morris Bay**	GLOUCESTER CO KING AND QUEEN CO	Described in VDH-DSS shellfish condemnation # 128A, 11/5/2004 Segment altered in 2006 YRKMH.

VA Overall AU Category: **5A**

Use	Impairment	0.83 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01778	**2006**	**2010**	VAT-F26E-02 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Mesohaline segment failed the Open Water Use's summer dissolved oxygen criteria.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01778	**2006**	**2010**	VAT-F26E-02 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Mesohaline segment failed the Open Water Use's summer dissolved oxygen criteria.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River Mesohaline Embayments**

TMDL Group ID: **01778**

VAT-F26E_QEN01A02	Queen's Creek	YORK CO	South shore York River, south of Camp Peary Naval Reservation. From end of tidal waters downstream to mouth as described in DSS shellfish condemnation #051-035A, 10/17/2004. Size adjusted in 2006 YRKMH

VA Overall AU Category: **5A**

Use	Impairment	0.42 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01778	**2002**	**2010**	VAT-F26E-02 During the 2002 cycle, sufficient exceedances of Virginia's water quality standard for dissolved oxygen were recorded at DEQ's ambient water quality monitoring stations on Queen Cr. to assess this segment as not supporting of the Clean Water Act's Aquatic Life Use Goal. During the 2006 cycle, the Chesapeake Bay water quality standards were adopted. The York Mesohaline segment failed the Open Water Use's summer dissolved oxygen criteria. The TMDL is due in 2010.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01778	**2002**	**2010**	VAT-F26E-02 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Mesohaline segment failed the Open Water Use's summer dissolved oxygen criteria.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River Mesohaline Embayments**

TMDL Group ID: **01778**

VAT-F26E_SKM01A00	**Skimino Creek**	YORK CO	From estuarine/riverine transition to mouth. DSS shellfish condemnation #050-087, 8/25/2000. YRKMH

VA Overall AU Category: **5A**

Use	Impairment	0.07 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01778	**2006**	**2010**	VAT-F26E-02 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Mesohaline segment failed the Open Water Use's summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01778	**2006**	**2010**	VAT-F26E-02 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Mesohaline segment failed the Open Water Use's summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River Mesohaline Embayments**

TMDL Group ID: **01778**

VAT-F26E_TSK01A00	Taskinas Creek	JAMES CITY CO	As described in DSS shellfish condemnation #166, 4/27/1989. YRKMH

VA Overall AU Category: **5A**

Use	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01778	**2006**	**2010**	VAT-F26E-02 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Mesohaline segment failed the Open Water Use's summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01778	**2006**	**2010**	VAT-F26E-02 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Mesohaline segment failed the Open Water Use's summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River Mesohaline Embayments**

TMDL Group ID: **01778**

VAT-F26E_WRE01A00	Ware Creek	JAMES CITY CO NEW KENT CO	Tidal portion of creek and tribs as described in DSS shellfish condemnation #73, 4/27/1989. YRKMH

VA Overall AU Category: **5A**

Use	Impairment	0.10 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01778	**2006**	**2010**	VAT-F26E-02 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Mesohaline segment failed the Open Water Use's summer dissolved oxygen criteria.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01778	**2006**	**2010**	VAT-F26E-02 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Mesohaline segment failed the Open Water Use's summer dissolved oxygen criteria.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River Mesohaline Embayments**

TMDL Group ID: **01778**

VAT-F26E_YRK01A04	York River	KING AND QUEEN CO NEW KENT CO	Start of York River at West Point (RM 32.0) downstream to the boundary of DSS condemnation # 049-004A. Segment expanded in 2006 YRKMH

VA Overall AU Category: **5A**

Use	Impairment	5.48 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01778	**2006**	**2010**	VAT-F26E-02 The mainstem York River was included in EPA's 1998 303(d) Overlisting as impaired of the Aquatic Life Use; the impairment was attributed to excessive nutrients. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Mesohaline segment failed the Open Water Use's summer dissolved oxygen criteria. The TMDL is due in 2010

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01778	**2006**	**2010**	VAT-F26E-02 The mainstem York River was included in EPA's 1998 303(d) Overlisting as impaired of the Aquatic Life Use; the impairment was attributed to excessive nutrients. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Mesohaline segment failed the Open Water Use's summer dissolved oxygen criteria. The TMDL is due in 2010

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Non-Point Source)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River Mesohaline Embayments**

TMDL Group ID: **01778**

VAT-F26E_YRK02A02	York River (Middle)	JAMES CITY CO NEW KENT CO	Segment starts at end of VDH-DSS condemnation 049-004A, 11/5/2004 and extends downstream to the MSN boundary near Mt. Folly/Poropotank Bay YRKMH

VA Overall AU Category: **5A**

Use	Impairment	4.81 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01778	**2006**	**2010**	VAT-F26E-02 The mainstem York River was included in EPA's 1998 303(d) Overlisting as impaired of the Aquatic Life Use; the impairment was attributed to excessive nutrients. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Mesohaline segment failed the Open Water Use's summer dissolved oxygen criteria.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01778	**2006**	**2010**	VAT-F26E-02 The mainstem York River was included in EPA's 1998 303(d) Overlisting as impaired of the Aquatic Life Use; the impairment was attributed to excessive nutrients. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Mesohaline segment failed the Open Water Use's summer dissolved oxygen criteria.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River Mesohaline Embayments**

TMDL Group ID: **01778**

VAT-F26E_YRK02B06	York River (Middle)	GLOUCESTER CO KING AND QUEEN CO	Segment starts at MSN boundary near Mt. Folly/Poropotank Bay downstream to line from Skimino Cr. to north shore @ Rt 618 at Copahasic (RM 18.8) . No DSS condemnation. YRKMH

VA Overall AU Category: **5A**

Use	Impairment	9.47 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01778	**2006**	**2010**	VAT-F26E-02 The mainstem York River was included in EPA's 1998 303(d) Overlisting as impaired of the Aquatic Life Use; the impairment was attributed to excessive nutrients. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Mesohaline segment failed the Open Water Use's summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01778	**2006**	**2010**	VAT-F26E-02 The mainstem York River was included in EPA's 1998 303(d) Overlisting as impaired of the Aquatic Life Use; the impairment was attributed to excessive nutrients. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Mesohaline segment failed the Open Water Use's summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River Mesohaline Embayments**

TMDL Group ID: **01778**

VAT-F26E_YRK03A00	York River (Low)	GLOUCESTER CO YORK CO	Segment starts at line from Skimino Cr. to N shore @ Rt 618 @ Copahasic (RM 18.7) and extends downstream to the mesohaline/polyhaline boundary. Segment extent and size altered in 2006 YRKMH

VA Overall AU Category: **5A**

Use	Impairment	13.20 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01778	**2006**	**2010**	VAT-F26E-02 The mainstem York River was included in EPA's 1998 303(d) Overlisting as impaired of the Aquatic Life Use; the impairment was attributed to excessive nutrients. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Mesohaline segment failed the Open Water Use's summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01778	**2006**	**2010**	VAT-F26E-02 The mainstem York River was included in EPA's 1998 303(d) Overlisting as impaired of the Aquatic Life Use; the impairment was attributed to excessive nutrients. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Mesohaline segment failed the Open Water Use's summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River Mesohaline Embayments**

TMDL Group ID: **01778**

VAT-F26E_ZZZ01A00	**Unsegmented estuaries in F26E**	GLOUCESTER CO KING AND QUEEN CO	Non segmented areas of F26. No DSS condemnation in this portion of York River. YRKMH

VA Overall AU Category: **5A**

Use	Impairment	0.48 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01778	**2006**	**2010**	VAT-F26E-02 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Mesohaline segment failed the Open Water Use's summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01778	**2006**	**2010**	VAT-F26E-02 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Mesohaline segment failed the Open Water Use's summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River Mesohaline Embayments**

TMDL Group ID: **01778**

VAT-F26E_ZZZ01B06	**Unsegmented estuaries in F26E**	JAMES CITY CO NEW KENT CO	Non segmented areas of F26 within MSN. No DSS condemnation in this portion of York River. YRKMH

VA Overall AU Category: **5A**

Use	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01778	**2006**	**2010**	VAT-F26E-02 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Mesohaline segment failed the Open Water Use's summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01778	**2006**	**2010**	VAT-F26E-02 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Mesohaline segment failed the Open Water Use's summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River Mesohaline Embayments**

TMDL Group ID: **01778**

VAT-F26E_ZZZ02A06	**Unsegmented estuaries in F26E**	KING AND QUEEN CO NEW KENT CO	Non segmented areas within VDH-DSS condemnation 049-004A, 11/5/2004 YRKMH

VA Overall AU Category: **5A**

Use	Impairment	0.09 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01778	**2006**	**2010**	VAT-F26E-02 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Mesohaline segment failed the Open Water Use's summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01778	**2006**	**2010**	VAT-F26E-02 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Mesohaline segment failed the Open Water Use's summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River Polyhaline Embayments**

TMDL Group ID: **01779**

VAT-F27E_CDB01A00	**Cedarbush Creek - Upper**	GLOUCESTER CO	North shore York River, north of Catlett Islands. VDH- DSS condemnation 047-107B, 12/30/2004 Segment expanded in 2006 cycle. YRKPH

VA Overall AU Category: **5A**

Use	Impairment	0.08 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01779	**2006**	**2010**	VAT-F26E-08 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Polyhaline segment failed the Open Water Use's summer dissolved oxygen criteria.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01779	**2006**	**2010**	VAT-F26E-08 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Polyhaline segment failed the Open Water Use's summer dissolved oxygen criteria.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River Polyhaline Embayments**

TMDL Group ID: **01779**

VAT-F27E_CDB02A00	Cedarbush Creek - Lower	GLOUCESTER CO	North shore York River, north of Catlett Islands. Downstream of VDH-DSS condemnation. YRKPH

VA Overall AU Category: **5A**

Use	Impairment	0.17 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01779	**2006**	**2010**	VAT-F26E-08 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Polyhaline segment failed the Open Water Use's summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01779	**2006**	**2010**	VAT-F26E-08 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Polyhaline segment failed the Open Water Use's summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River Polyhaline Embayments**

TMDL Group ID: **01779**

VAT-F27E_CRT01A00	**Carter Creek (Gloucester County) - Upper portion**	GLOUCESTER CO	North shore York R located NW of Catlett Islands. Upper portion of creek, as described in VDH-DSS condemnation 047-107A, 12/30/2004. Segment expanded in 2006 cycle. YRKPH

VA Overall AU Category: **5A**

Use	Impairment	0.17 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01779	**2006**	**2010**	VAT-F26E-08 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Polyhaline segment failed the Open Water Use's summer dissolved oxygen criteria.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01779	**2006**	**2010**	VAT-F26E-08 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Polyhaline segment failed the Open Water Use's summer dissolved oxygen criteria.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River Polyhaline Embayments**

TMDL Group ID: **01779**

VAT-F27E_CRT02A00	Carter Creek - Lower Portion (Gloucester County)	GLOUCESTER CO	North shore York R located NW of Catlett Islands. Downstream of VDH-DSS condemnation area. YRKPH

VA Overall AU Category: **5A**

Use	Impairment	0.19 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01779	**2006**	**2010**	VAT-F26E-08 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Polyhaline segment failed the Open Water Use's summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01779	**2006**	**2010**	VAT-F26E-08 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Polyhaline segment failed the Open Water Use's summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River Polyhaline Embayments**

TMDL Group ID: **01779**

VAT-F27E_FEL01A00	Felgate's Creek	YORK CO	South of Pennimon Spit, within Naval Weapons Station. Segment extends from headwaters downstream to mouth. Portion of DSS condemnation # 051-035C. In 2006: Merged with FEL02A00, which was deleted. YRKPH

VA Overall AU Category: **5A**

Use	Impairment	0.25 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01779	**2006**	**2010**	VAT-F26E-08 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Polyhaline segment failed the Open Water Use's summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01779	**2006**	**2010**	VAT-F26E-08 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Polyhaline segment failed the Open Water Use's summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River Polyhaline Embayments**

TMDL Group ID: **01779**

VAT-F27E_IFC01A00	Indian Field Creek	YORK CO	Southeast of Pennimon Spit, within Naval Weapons Station. DSS condemnation no. 051-130, 11/12/1998. YRKPH

VA Overall AU Category: **5A**

Use	Impairment	0.12 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01779	**2006**	**2010**	VAT-F26E-08 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Polyhaline segment failed the Open Water Use's summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01779	**2006**	**2010**	VAT-F26E-08 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Polyhaline segment failed the Open Water Use's summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River Polyhaline Embayments**

TMDL Group ID: **01779**

VAT-F27E_KNG01A02	King Creek - Upper	YORK CO	South shore of York River. East of Pennimon Spit, within Naval Weapons Station facility. Headwaters area of creek downstream to RM 0.50. Portion of VDH-DSS condemnation 051-035C, 10/7/2004 YRKPH

VA Overall AU Category: **5A**

Use	Impairment	0.19 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01779	**2004**	**2010**	VAT-F26E-08 (and 2004 fact sheet VAT-F27E-05) Sufficient exceedances of Virginia's water quality standards for Dissolved Oxygen were recorded at DEQ's ambient water quality monitoring station on King Cr. to assess this segment as not supporting of the Clean Water Act's Aquatic Life Use Support Goals for the 2002 305(b) report. The cause of the standard exceedances was considered unknown. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Polyhaline segment failed the Open Water Use's summer dissolved oxygen criteria.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01779	**2004**	**2010**	VAT-F26E-08 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Polyhaline segment failed the Open Water Use's summer dissolved oxygen criteria.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River Polyhaline Embayments**

TMDL Group ID: **01779**

VAT-F27E_KNG02A02	King Creek - Lower	YORK CO	South shore of York River. East of Pennimon Spit, within Naval Weapons Station facility. From RM 0.5 to mouth of creek at confluence with York River (RM 0.0). Portion of VDH-DSS condemnation 051-035C, 10/7/2004. YRKPH

VA Overall AU Category: **5A**

Use	Impairment	0.14 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01779	**2006**	**2010**	VAT-F26E-08 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Polyhaline segment failed the Open Water Use's summer dissolved oxygen criteria.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01779	**2006**	**2010**	VAT-F26E-08 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Polyhaline segment failed the Open Water Use's summer dissolved oxygen criteria.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River Polyhaline Embayments**

TMDL Group ID: **01779**

VAT-F27E_PRN01A00	Perrin River - Upper	GLOUCESTER CO	North shore York River near Cuba Island. From DSS marker "D-Buckle" upstream to headwaters. DSS condemnation # 046-081A, 10/2/2004. YRKPH

VA Overall AU Category: **5A**

Use	Impairment	0.12 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01779	**2006**	**2010**	VAT-F26E-08 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Polyhaline segment failed the Open Water Use's summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01779	**2006**	**2010**	VAT-F26E-08 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Polyhaline segment failed the Open Water Use's summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River Polyhaline Embayments**

TMDL Group ID: **01779**

VAT-F27E_PRN02A00	Perrin River - Lower	GLOUCESTER CO	North shore York River near Cuba Island. As described in DSS seasonal condemnation # 046-081 M1, 10/2/2004. YRKPH

VA Overall AU Category: **5A**

Use	Impairment	0.06 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01779	**2006**	**2010**	VAT-F26E-08 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Polyhaline segment failed the Open Water Use's summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01779	**2006**	**2010**	VAT-F26E-08 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Polyhaline segment failed the Open Water Use's summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River Polyhaline Embayments**

TMDL Group ID: **01779**

VAT-F27E_SRH01A00	Sarah Creek - Upper	GLOUCESTER CO	North shore York River near Gloucester Point. Segment extends from headwaters of branches of Sarah Creek downstream to narrows at Gloucester Banks. DSS condemnation # 046-052, 10/2/2004. YRKPH

VA Overall AU Category: **5A**

Use	Impairment	0.56 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01779	**2006**	**2010**	VAT-F26E-08 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Polyhaline segment failed the Open Water Use's summer dissolved oxygen criteria.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01779	**2006**	**2010**	VAT-F26E-08 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Polyhaline segment failed the Open Water Use's summer dissolved oxygen criteria.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River Polyhaline Embayments**

TMDL Group ID: **01779**

VAT-F27E_SRH02A00	Sarah Creek - Lower	GLOUCESTER CO	North shore York River near Gloucester Point. Segment extends from mouth (juncture with York River) upstream to narrows at Gloucester Banks. DSS seasonal condemnation # 046-052 M1, 10/2/2004. YRKPH

VA Overall AU Category: **5A**

Use	Impairment	0.17 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01779	**2006**	**2010**	VAT-F26E-08 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Polyhaline segment failed the Open Water Use's summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01779	**2006**	**2010**	VAT-F26E-08 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Polyhaline segment failed the Open Water Use's summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River Polyhaline Embayments**

TMDL Group ID: **01779**

VAT-F27E_TMB01A00	Timberneck Creek	GLOUCESTER CO	North shore York River, northeast of Catlett Islands. DSS condemnation 047-003, 11/4/2003. Area reduced and size adjusted in 2006 cycle YRKPH

VA Overall AU Category: **5A**

Use	Impairment	0.24 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01779	**2006**	**2010**	VAT-F26E-08 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Polyhaline segment failed the Open Water Use's summer dissolved oxygen criteria.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01779	**2006**	**2010**	VAT-F26E-08 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Polyhaline segment failed the Open Water Use's summer dissolved oxygen criteria.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River Polyhaline Embayments**

TMDL Group ID: **01779**

VAT-F27E_WOR01A00	Wormley Creek (Upper)	YORK CO	South shore York River near Amoco facility southeast of Gloucester Point. Upstream portion of DSS (ADMINISTRATIVE) condemnation #052-006A. YRKPH

VA Overall AU Category: **5A**

Use	Impairment	0.17 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01779	**2006**	**2010**	VAT-F26E-08 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Polyhaline segment failed the Open Water Use's summer dissolved oxygen criteria.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**	01779	**2006**	**2010**	VAT-F26E-08 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Polyhaline segment failed the Open Water Use's summer dissolved oxygen criteria.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River Polyhaline Embayments**

TMDL Group ID: **01779**

VAT-F27E_WOR02A02	Wormley Creek (Lower)	YORK CO	South shore York River near Amoco facility southeast of Gloucester Point. One half mile around CORE fish tissue station @ 8-WOR000.35. Downstream portion of DSS condemnation no. 052-006A, 3/7/2002 YRKPH

VA Overall AU Category: **5A**

Use	Impairment	0.16 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01779	**2006**	**2010**	VAT-F26E-08 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Polyhaline segment failed the Open Water Use's summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01779	**2006**	**2010**	VAT-F26E-08 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Polyhaline segment failed the Open Water Use's summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River Polyhaline Embayments**

TMDL Group ID: **01779**

VAT-F27E_YRK01A00	York River (Lower Middle)	GLOUCESTER CO YORK CO	The polyhaline boundary downstream to line from Roosevelt Pond N to Mumfort Islands at RM 7.49, excluding otherwise segmented DSS shellfish condemnation areas. YRKPH

VA Overall AU Category: **5A**

Use	Impairment	8.30 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01779	**2006**	**2010**	VAT-F26E-08 The mainstem York River was included in EPA's 1998 303(d) Overlisting as impaired of the Aquatic Life Use; the impairment was attributed to excessive nutrients. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Polyhaline segment failed the Open Water Use's summer dissolved oxygen criteria.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01779	**2006**	**2010**	VAT-F26E-08 The mainstem York River was included in EPA's 1998 303(d) Overlisting as impaired of the Aquatic Life Use; the impairment was attributed to excessive nutrients. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Polyhaline segment failed the Open Water Use's summer dissolved oxygen criteria.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River Polyhaline Embayments**

TMDL Group ID: **01779**

VAT-F27E_YRK01B00	York R (DSS Condemnation - Cheatham Annex)	YORK CO	Segment adjacent to Cheatham Annex, VDH-DSS condemnation 051-035B, 10/7/2004 - administratively condemned due to National Security. Size adjusted in 2006. YRKPH

VA Overall AU Category: **5A**

Use	Impairment	0.26 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01779	**2006**	**2010**	VAT-F26E-08 The mainstem York River was included in EPA's 1998 303(d) Overlisting as impaired of the Aquatic Life Use; the impairment was attributed to excessive nutrients. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Polyhaline segment failed the Open Water Use's summer dissolved oxygen criteria.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01779	**2006**	**2010**	VAT-F26E-08 The mainstem York River was included in EPA's 1998 303(d) Overlisting as impaired of the Aquatic Life Use; the impairment was attributed to excessive nutrients. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Polyhaline segment failed the Open Water Use's summer dissolved oxygen criteria.

Sources: Agriculture
Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Jurisdiction or Borders
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River Polyhaline Embayments**

TMDL Group ID: **01779**

VAT-F27E_YRK01C00	**York R (DSS Condemnation - Naval Weapons Sta.)**	YORK CO	Segment adjacent to Yorktown Naval Weapons Sta., VDH-DSS condemnation 051-040, 9/18/2001 - administratively closed due to National Security. Size adjusted in 2006 cycle YRKPH

VA Overall AU Category: **5A**

Use	Impairment	0.23 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01779	**2006**	**2010**	VAT-F26E-08 The mainstem York River was included in EPA's 1998 303(d) Overlisting as impaired of the Aquatic Life Use; the impairment was attributed to excessive nutrients. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Polyhaline segment failed the Open Water Use's summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01779	**2006**	**2010**	VAT-F26E-08 The mainstem York River was included in EPA's 1998 303(d) Overlisting as impaired of the Aquatic Life Use; the impairment was attributed to excessive nutrients. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Polyhaline segment failed the Open Water Use's summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River Polyhaline Embayments**

TMDL Group ID: **01779**

VAT-F27E_YRK01D06	**York River**	GLOUCESTER CO YORK CO	Yorktown Beach YRKPH

VA Overall AU Category: **5A**

Use	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01779	**2004**	**2010**	VAT-F26E-08 The mainstem York River was included in EPA's 1998 303(d) Overlisting as impaired of the Aquatic Life Use; the impairment was attributed to excessive nutrients. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Polyhaline segment failed the Open Water Use's summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01779	**2004**	**2010**	VAT-F26E-08 The mainstem York River was included in EPA's 1998 303(d) Overlisting as impaired of the Aquatic Life Use; the impairment was attributed to excessive nutrients. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Polyhaline segment failed the Open Water Use's summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River Polyhaline Embayments**

TMDL Group ID: **01779**

VAT-F27E_YRK01E06 **York River** GLOUCESTER CO YORK CO Gloucester Point Beach

YRKPH

VA Overall AU Category: **5A**

Use	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01779	**2004**	**2010**	VAT-F26E-08 The mainstem York River was included in EPA's 1998 303(d) Overlisting as impaired of the Aquatic Life Use; the impairment was attributed to excessive nutrients. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Polyhaline segment failed the Open Water Use's summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01779	**2004**	**2010**	VAT-F26E-08 The mainstem York River was included in EPA's 1998 303(d) Overlisting as impaired of the Aquatic Life Use; the impairment was attributed to excessive nutrients. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Polyhaline segment failed the Open Water Use's summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River Polyhaline Embayments**

TMDL Group ID: **01779**

VAT-F27E_YRK02A00	York River - Lower	GLOUCESTER CO YORK CO	Segment starts at line across river from Roosevelt Pond to Mumfort Islands (RM 7.49), downstream to mouth (RM 0.0) near Thoroughfare Creek. No DSS shellfish condemnation. YRKPH

VA Overall AU Category: **5A**

Use	Impairment	11.56 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01779	**2004**	**2010**	VAT-F26E-08 (and 2004 fact sheet VAT-F27E-03 also) The mainstem York River was included in EPA's 1998 303(d) Overlisting as impaired of the Aquatic Life Use; the impairment was attributed to excessive nutrients. In addition, there were sufficient exceedances of the standard for Dissolved Oxygen at bottom water (deeper than 10 meters) observations at monitoring station on the York River (8-YRK011.14 & 8-YRK001.64) to assess this segment as not supporting of the Clean Water Act's Aquatic Life Use Support Goal for the 2002 305(b) report. The cause of the standard violation was attributed to naturally occurring conditions in bottom waters of deep estuarine trenches. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Polyhaline segment failed both the Open Water Use's summer dissolved oxygen criteria and the Shallow Water Use's submerged aquatic vegetation acreage requirements. There was insufficient data to assess the Deep Water Use.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life	**Oxygen, Dissolved**		01779	**2004**	**2010**	VAT-F26E-08 The mainstem York River was included in EPA's 1998 303(d) Overlisting as impaired of the Aquatic Life Use; the impairment was attributed to excessive nutrients. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Polyhaline segment failed the Open Water Use's summer dissolved oxygen criteria.

Sources:
- Agriculture
- Atmospheric Deposition - Nitrogen
- Industrial Point Source Discharge
- Internal Nutrient Recycling
- Loss of Riparian Habitat
- Municipal Point Source Discharges
- Sources Outside State Jurisdiction or Borders
- Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River Polyhaline Embayments**

TMDL Group ID: **01779**

VAT-F27E_YRK02B00	**York R (Lower - administrative closures DSS 6B&C)**	YORK CO	Described in VDH-DSS (administrative) shellfish condemnation 052-006 B&C, 3/7/2002 adjacent Wormley Cr., HRSD STP & power plant and refinery. YRKPH

VA Overall AU Category: **5A**

Use	Impairment	0.51 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01779	**2006**	**2010**	VAT-F26E-08 (and 2004 fact sheet VAT-F27E-03 also) The mainstem York River was included in EPA's 1998 303(d) Overlisting as impaired of the Aquatic Life Use; the impairment was attributed to excessive nutrients. In addition, there were sufficient exceedances of the standard for Dissolved Oxygen at bottom water (deeper than 10 meters) observations at monitoring station on the York River (8-YRK011.14 & 8-YRK001.64) to assess this segment as not supporting of the Clean Water Act's Aquatic Life Use Support Goal for the 2002 305(b) report. The cause of the standard violation was attributed to naturally occurring conditions in bottom waters of deep estuarine trenches. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Polyhaline segment failed both the Open Water Use's summer dissolved oxygen criteria and the Shallow Water Use's submerged aquatic vegetation acreage requirements. There was insufficient data to assess the Deep Water Use.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01779	**2006**	**2010**	VAT-F26E-08 The mainstem York River was included in EPA's 1998 303(d) Overlisting as impaired of the Aquatic Life Use; the impairment was attributed to excessive nutrients. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Polyhaline segment failed the Open Water Use's summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River Polyhaline Embayments**

TMDL Group ID: **01779**

VAT-F27E_YRK02C00	**York River - AMOCO**	YORK CO	Segment within YRK02A00, DSS (ADMINISTRATIVE) shellfish condemnation #052-006A, 3/7/2002 (portion in York R), adjacent Wormley Cr. & AMOCO. YRKPH

VA Overall AU Category: **5A**

Use	Impairment	2.75 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01779	**2006**	**2010**	VAT-F26E-08 (and 2004 fact sheet VAT-F27E-03 also) The mainstem York River was included in EPA's 1998 303(d) Overlisting as impaired of the Aquatic Life Use; the impairment was attributed to excessive nutrients. In addition, there were sufficient exceedances of the standard for Dissolved Oxygen at bottom water (deeper than 10 meters) observations at monitoring station on the York River (8-YRK011.14 & 8-YRK001.64) to assess this segment as not supporting of the Clean Water Act's Aquatic Life Use Support Goal for the 2002 305(b) report. The cause of the standard violation was attributed to naturally occurring conditions in bottom waters of deep estuarine trenches. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Polyhaline segment failed both the Open Water Use's summer dissolved oxygen criteria and the Shallow Water Use's submerged aquatic vegetation acreage requirements. There was insufficient data to assess the Deep Water Use.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01779	**2006**	**2010**	VAT-F26E-08 The mainstem York River was included in EPA's 1998 303(d) Overlisting as impaired of the Aquatic Life Use; the impairment was attributed to excessive nutrients. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Polyhaline segment failed the Open Water Use's summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

York River Basin

TMDL Watershed Name: **York River Polyhaline Embayments**

TMDL Group ID: **01779**

VAT-F27E_ZZZ01A00	Unsegmented estuaries in F27E	GLOUCESTER CO YORK CO	Non segmented estuarine areas of F27E - Lower York River. No DSS condemnations. YRKPH

VA Overall AU Category: **5A**

Use	Impairment	0.46 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		01779	**2006**	**2010**	VAT-F26E-08 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Polyhaline segment failed the Open Water Use's summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			
Open-Water Aquatic Life	**Oxygen, Dissolved**		01779	**2006**	**2010**	VAT-F26E-08 During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The York Polyhaline segment failed the Open Water Use's summer dissolved oxygen criteria.
		Sources:	Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Jurisdiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

Note: * Includes Category 4A and 4C Impairments within each Assessment Unit. Assessment Units may extend across jurisdictional boundaries.

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

New River Basin

TMDL Watershed Name: **Adair Run**

TMDL Group ID: **01737**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAW-N35R_ADR01A00	**Adair Run**	GILES CO	Adair Run mainstem from its mouth on the New River upstream to the Virginia/West Virginia State Line.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	0.38 MILES	01737	**2004**	**2016**	

Sources: Unspecified Domestic Waste
Wildlife Other than Waterfowl

TMDL Watershed Name: **Beaverpond Creek**

TMDL Group ID: **50033**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-N36R_BPB01A06	**Beaverpond Creek**	TAZEWELL CO	This stream flows from WV into VA, somertimes under city buildings and streets and into Bluestone River; Section 1, Class IV.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	2.94 MILES	50033	**2006**	**2018**	

Sources: Source Unknown

TMDL Watershed Name: **Big Horse Creek**

TMDL Group ID: **00869**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-N01R_BHO01A02	**Big Horse Creek**	GRAYSON CO	Tributary to North Fork New River in NC. Thsi is a loop that flows into VA frim NC and back into NC. This segment was previously BHC01A02 and BUR01A02. Section 2, Class VI, designated natural trout waters within Jefferson National Forest.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	3.00 MILES	00869	**2004**	**2016**	An AWQM waqtershed station is located at 9-BHO017.70.with 17% (2 of 12) fecal coliform bacteria standard violations; no additional impairments were detected.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

New River Basin

TMDL Watershed Name: **Big Indian Creek, Lower**

TMDL Group ID: **01727**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAW-N21R_BIC01A02	**Big Indian Creek Lower**	FLOYD CO	Big Indian Creek mainstem from approximately 0.5 miles upstream of the West Fork Big Indian Creek mouth downstream to the Big Indian Creek confluence with Little River.

VA Overall AU Category: **5C**

Use	Impairment	7.58 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Temperature, water**		01727	**2004**	**2016**	Category 5C

Sources: Source Unknown

TMDL Watershed Name: **Big Reed Island Creek**

TMDL Group ID: **00891**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-N14R_RIC01A00	**Big Reed Island Creek**	CARROLL CO	Big Reed Island Creek confluence from Bobbitt Creek upstream to Snake Ck confluence. Section 2. Class IV.

VA Overall AU Category: **5A**

Use	Impairment	7.49 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		00891	**2004**	**2016**	

Sources: Source Unknown

TMDL Watershed Name: **Bluestone River**

TMDL Group ID: **00016**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-N36R_BST04A02	**Bluestone River**	TAZEWELL CO	From Wright's Valley Creek confluence downstream to N37 (Big Branch). Section 1g, Class IV, u.

VA Overall AU Category: **5D**

Use	Impairment	6.05 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00016	**1996**	**2004**	The fecal coliform standard no longer applies. Category 4A

Sources: Rural (Residential Areas)

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-N36R_BST04B02	**Bluestone River**	TAZEWELL CO	From PWS downstream to Wright's Valley Creek confluence. Section 1g, Class IV, u

VA Overall AU Category: **5D**

Use	Impairment	1.63 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00016	**2006**	**2014**	

Sources: Rural (Residential Areas)

Use	Impairment	7.58 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		00016	**2002**	**2014**	

Sources: Rural (Residential Areas)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

New River Basin

TMDL Watershed Name: **Bluestone River**

TMDL Group ID: **00016**

VAS-N36R_BST05A02 **Bluestone River** TAZEWELL CO PWS upstream to Rt 460 bridge. Section 1h, Class IV, PWS, u.

VA Overall AU Category: **5D**

Use	Impairment	4.94 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00016	**2002**	**2004**	Category 4A: e.coli-Fed ID 18192.
		Sources: Rural (Residential Areas)				

VAS-N37R_BST01A96 **Bluestone River** TAZEWELL CO Mainstem, mile 21.75 downstream to WV political boundary; may be found on the Brammwell quad sheet. Section 1g, Class IV, u.

VA Overall AU Category: **5D**

Use	Impairment	0.60 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00016	**2006**	**2004**	Category 4A: e.coli-Fed ID 18192.
		Sources: Rural (Residential Areas)				
Recreation	**Fecal Coliform**		00016	**1996**	**2004**	Category 4A: e.coli-Fed ID 18192.
		Sources: Rural (Residential Areas)				

TMDL Group ID: **00142**

VAS-N36R_BST04A02 **Bluestone River** TAZEWELL CO From Wright's Valley Creek confluence downstream to N37 (Big Branch). Section 1g, Class IV, u.

VA Overall AU Category: **5D**

Use	Impairment	6.05 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		00142	**1996**	**2008**	
		Sources: Rural (Residential Areas)				

VAS-N37R_BST01A96 **Bluestone River** TAZEWELL CO Mainstem, mile 21.75 downstream to WV political boundary; may be found on the Brammwell quad sheet. Section 1g, Class IV, u.

VA Overall AU Category: **5D**

Use	Impairment	0.60 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		00142	**1996**	**2004**	Category 4A: benthic macroinvertebrate bioassessment Fed ID 18193.
		Sources: Rural (Residential Areas)				

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

New River Basin

TMDL Watershed Name: **Bluestone River**

TMDL Group ID: **00594**

VAS-N36R_BST04A02 **Bluestone River** TAZEWELL CO

From Wright's Valley Creek confluence downstream to N37 (Big Branch). Section 1g, Class IV, u.

VA Overall AU Category: **5D**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	6.05	MILES	00594	**2006**	**2008**	

Sources: Source Unknown

VAS-N36R_BST04B02 **Bluestone River** TAZEWELL CO

From PWS downstream to Wright's Valley Creek confluence. Section 1g, Class IV, u

VA Overall AU Category: **5D**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	1.63	MILES	00594	**2006**	**2008**	

Sources: Source Unknown

VAS-N36R_BST05A02 **Bluestone River** TAZEWELL CO

PWS upstream to Rt 460 bridge. Section 1h, Class IV, PWS, u.

VA Overall AU Category: **5D**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	4.94	MILES	00594	**2006**	**2008**	

Sources: Source Unknown

TMDL Group ID: **00595**

VAS-N37R_BST01A96 **Bluestone River** TAZEWELL CO

Mainstem, mile 21.75 downstream to WV political boundary; may be found on the Brammwell quad sheet. Section 1g, Class IV, u.

VA Overall AU Category: **5D**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.60	MILES	00595	**2006**	**2008**	

Sources: Source Unknown

TMDL Group ID: **00896**

VAS-N37R_BST01A96 **Bluestone River** TAZEWELL CO

Mainstem, mile 21.75 downstream to WV political boundary; may be found on the Brammwell quad sheet. Section 1g, Class IV, u.

VA Overall AU Category: **5D**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Chlordane**	0.60	MILES	00896	**2004**	**2016**	

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

New River Basin

TMDL Watershed Name: **Brush Creek**

TMDL Group ID: **01728**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAW-N21R_BSH01A04	**Brush Creek Class IV**	MONTGOMERY CO	Brush Creek from the first bridge on Route 617 south of the junction of Routes 617 and 601 downstream to the Brush Creek mouth on Little River.

VA Overall AU Category: **5A**

Use	Impairment	5.76 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		01728	**2004**	**2016**	

Sources: Livestock (Grazing or Feeding Operations)
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)
Unspecified Domestic Waste
Wildlife Other than Waterfowl

TMDL Watershed Name: **Byllesby Reservoir**

TMDL Group ID: **50155**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-N08L_NEW01L98	**Byllesby Reservoir**	CARROLL CO	New River mainstem in Carroll County. Section 2.

VA Overall AU Category: **5A**

Use	Impairment	298.39 ACRES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		50155	**2006**	**2018**	
		Sources: Source Unknown				
Recreation	**Fecal Coliform**		50155	**2006**	**2018**	
		Sources: Source Unknown				

TMDL Watershed Name: **Chestnut Creek**

TMDL Group ID: **00256**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-N06R_CST01A94	**Chestnut Creek**	CARROLL CO	Lower Chestnut Ck from Skunk Br confluence at Allied Gossan, river mile 8.06, downstream to the confluence with New River. Section 2, Class IV

VA Overall AU Category: **5A**

Use	Impairment	9.18 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		00256	**1994**	**2006**	

Sources: Impacts from Abandoned Mine Lands (Inactive)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

New River Basin

TMDL Watershed Name: **Chestnut Creek**

TMDL Group ID: **00256**

VAS-N06R_CST02A94 **Chestnut Creek** CARROLL CO, GRAYSON CO

Segment extends from the City of Galax Water Treatment Plant intake, river mile 14.27, downstream to the Allied-Signal Gossan mine discharge, river mile 8.06.
Section 2, Class IV

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**	4.82 MILES	00256	**2004**	**2006**	

Sources: Source Unknown

TMDL Group ID: **00694**

VAS-N06R_CST01A94 **Chestnut Creek** CARROLL CO

Lower Chestnut Ck from Skunk Br confluence at Allied Gossan, river mile 8.06, downstream to the confluence with New River. Section 2, Class IV

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	9.18 MILES	00694	**2004**	**2006**	

Sources: Rural (Residential Areas)

VAS-N06R_CST02A94 **Chestnut Creek** CARROLL CO, GRAYSON CO

Segment extends from the City of Galax Water Treatment Plant intake, river mile 14.27, downstream to the Allied-Signal Gossan mine discharge, river mile 8.06.
Section 2, Class IV

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	4.82 MILES	00694	**2004**	**2006**	

Sources: Source Unknown

VAS-N06R_CST03A94 **Chestnut Creek** CARROLL CO, GRAYSON CO

Segment extends from the Route 89 bridge, river mile 15.00, near the upstream Galax City limit downstream to river mile 14.27, the Galax raw water intake. Section 2h, Class IV, PWS.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	1.09 MILES	00694	**2004**	**2006**	

Sources: Livestock (Grazing or Feeding Operations)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

New River Basin

TMDL Watershed Name: **Chestnut Creek**

TMDL Group ID: **00694**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-N06R_CST04A98	**Chestnut Creek**	CARROLL CO GRAYSON CO	This is a continuation of the public water supply segment for the City of Galax raw water intake. Section 2h, Class IV, PWS.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	2.58	MILES	00694	**2004**	**2006**	

Sources: Rural (Residential Areas)

TMDL Watershed Name: **Claytor Lake - New River**

TMDL Group ID: **01719**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAW-N16L_NEW01A02	**Claytor Lake Lower (New River)**	PULASKI CO	Claytor Lake from its impounding structure upstream to the former Burlington Industries intake.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**	1803.55	ACRES	01719	**2002**	**2014**	

Sources: Source Unknown

TMDL Watershed Name: **Claytor Lake - Peak Creek, Upper**

TMDL Group ID: **50295**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAW-N16L_PKC02A02	**Claytor Lake - Peak Creek Upper**	PULASKI CO	Peak Creek from the end of the WQS public water supply (PWS) designation upstream to its backwaters.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	77.74	ACRES	50295	**2006**	**2014**	Category 5A 12 or more Escherichia coli (E.coli) bacteria samples.

Sources: Livestock (Grazing or Feeding Operations)
Municipal (Urbanized High Density Area)
Sanitary Sewer Overflows (Collection System Failures)
Unspecified Domestic Waste
Wastes from Pets
Wildlife Other than Waterfowl

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

New River Basin

TMDL Watershed Name: **Connellys Run**

TMDL Group ID: **01722**

VAW-N18R_CNL01A02 **Connellys Run Lower** RADFORD CITY

Connellys Run from an unnamed tributary @37°07'23" / 80°33'21"; 1.57 miles upstream of the Connellys Run mouth downstream to its confluence on the New River.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	1.57 MILES	01722	**2004**	**2016**	

Sources: Livestock (Grazing or Feeding Operations)
Municipal (Urbanized High Density Area)
Unspecified Domestic Waste
Wastes from Pets
Wildlife Other than Waterfowl

VAW-N18R_CNL02A02 **Connellys Run Upper** RADFORD CITY

Connellys Run from near Rt. 611 @37°07'04" / 80°32'16"; 2.76 miles upstream of Connellys Run mouth downstream to the confluence of an unnamed tributary @37°07'23" / 80°33'21"; 1.57 miles upstream of the Connellys Run mouth on the New River.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	1.19 MILES	01722	**2004**	**2016**	

Sources: Livestock (Grazing or Feeding Operations)
Municipal (Urbanized High Density Area)
Unspecified Domestic Waste
Wastes from Pets
Wildlife Other than Waterfowl

TMDL Watershed Name: **Cove Creek**

TMDL Group ID: **50167**

VAS-N12R_CVR01A00 **Cove Creek** WYTHE CO

Lower Cove Creek from river mile St. Lukes Fork downstream to the confluence with Reed Creek. Section 2, Class V, DGIF vi, stockable trout waters.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	9.10 MILES	50167	**2006**	**2018**	

Sources: Livestock (Grazing or Feeding Operations)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

New River Basin

TMDL Watershed Name: **Cripple Creek**

TMDL Group ID: **00503**

VAS-N09R_CPL02A98	Cripple Creek	WYTHE CO	From the Dry Run confluence downstream to the Francis Mill Ck confluence. Section 2, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	6.25 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		00503	**2004**	**2010**	

Sources: Source Unknown

TMDL Group ID: **00884**

VAS-N09R_CPL01A04	Cripple Creek	SMYTH CO WYTHE CO	In the headwaters upstream of US Route 21, downstream to the confluence of Blue Spring Creek. Section 2, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	5.00 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		00884	**2004**	**2016**	

Sources: Animal Feeding Operations (NPS)
Grazing in Riparian or Shoreline Zones

TMDL Group ID: **00885**

VAS-N09R_CPL01B04	Cripple Creek	WYTHE CO	Lower segment of mainstem from the New River confluence upstream to the Dean Branch confluence. Section 2, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	3.10 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		00885	**2004**	**2016**	

Sources: Livestock (Grazing or Feeding Operations)

TMDL Group ID: **00888**

VAS-N09R_CPL02A98	Cripple Creek	WYTHE CO	From the Dry Run confluence downstream to the Francis Mill Ck confluence. Section 2, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	6.25 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		00888	**2004**	**2016**	

Sources: Livestock (Grazing or Feeding Operations)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

New River Basin

TMDL Watershed Name: **Crooked Creek**

TMDL Group ID: **00879**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-N07R_CRK01A04	**Crooked Creek**	CARROLL CO	From headwaters to Beaverdam Creek confluence. Section 2, Class VI, designated natural trout waters.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	10.74 MILES	00879	**2004**	**2016**	

Sources: Source Unknown

TMDL Group ID: **00880**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-N07R_CRK01A98	**Crooked Creek**	CARROLL CO	From confluence of Cranberry Ck, downstream to backwaters of Byllesby Lake. Section 2, Class IV.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	10.04 MILES	00880	**2004**	**2016**	

Sources: Source Unknown

TMDL Watershed Name: **Dodd Creek and Tributaries**

TMDL Group ID: **00131**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAW-N20R_DDW01A02	**West Fork Dodd Creek**	FLOYD CO	West Fork Dodd Creek mainstem from its confluence with Dodd Creek upstream to the mouth of an unnamed tributary (XDC). The mouth of the unnamed tributary is located @36°52'33" / 80°19'43".

VA Overall AU Category: **5D**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	1.18 MILES	00131	**1998**	**2002**	Category 4A. Dodd Creek Bacteria (Fed. ID 9456) TMDL Study & Allocations US EPA approved on 12/11/2002. SWCB approved 6/17/2004. VAW-N20R-01.

Sources: Livestock (Grazing or Feeding Operations)
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)
Unspecified Domestic Waste
Wildlife Other than Waterfowl

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

New River Basin

TMDL Watershed Name: **Dodd Creek, West Fork**

TMDL Group ID: **01726**

VAW-N20R_DDW01A02 | **West Fork Dodd Creek** | FLOYD CO | West Fork Dodd Creek mainstem from its confluence with Dodd Creek upstream to the mouth of an unnamed tributary (XDC). The mouth of the unnamed tributary is located @36°52'33" / 80°19'43".

VA Overall AU Category: **5D**

Use	Impairment	1.18 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Temperature, water**		01726	**2002**	**2014**	Category 5C
		Sources:	Source Unknown			

TMDL Watershed Name: **Elk Creek**

TMDL Group ID: **00502**

VAS-N05R_EKC01A00 | **Elk Creek** | GRAYSON CO | Lower Elk Creek from the Knob Fork confluence downstream to the New River confluence. Section 2, Class IV, DGIF ***.

VA Overall AU Category: **5A**

Use	Impairment	3.30 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00502	**2006**	**2010**	
		Sources:	Animal Feeding Operations (NPS) Livestock (Grazing or Feeding Operations)			
Recreation	**Fecal Coliform**		00502	**2002**	**2010**	
		Sources:	Animal Feeding Operations (NPS)			

VAS-N05R_EKC02A00 | **Elk Creek** | GRAYSON CO | Upper Elk Creek from the Turkey Fork confluence downstream to Knob Fork confluence. Section 2, Class V, designated stockable trout waters DGIF ***.

VA Overall AU Category: **5A**

Use	Impairment	7.39 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00502	**2006**	**2010**	
		Sources:	Animal Feeding Operations (NPS)			
Recreation	**Fecal Coliform**		00502	**2002**	**2010**	
		Sources:	Animal Feeding Operations (NPS)			

VAS-N05R_EKC03A02 | **Elk Creek** | GRAYSON CO | Mainstem from confluence of Comers Rock Branch downstream to Turkey Fork. Section 2, Class V, designated stockable trout waters.

VA Overall AU Category: **5A**

Use	Impairment	8.95 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00502	**2006**	**2010**	
		Sources:	Animal Feeding Operations (NPS)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

New River Basin

TMDL Watershed Name: **Fox Creek**

TMDL Group ID: **00874**

VAS-N03R_FXC01A98	Fox Creek	GRAYSON CO	Mainstem of Fox Creek from Mill Creek confluence to the New River confluence. Section 2, Class IV, designated a natural trout stream.

VA Overall AU Category: **5A**

Use	Impairment	7.68 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		00874	**2004**	**2016**	

Sources: Livestock (Grazing or Feeding Operations)

TMDL Watershed Name: **Kimberling Creek**

TMDL Group ID: **00892**

VAS-N26R_KBL01A00	Kimberling Creek	BLAND CO	Lower mainstem. From Walker Ck confluence upstream to Bland Correctional Farm raw water withdrawal. Section 1, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	4.44 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		00892	**2004**	**2014**	

Sources: Animal Feeding Operations (NPS)

VAS-N26R_KBL02A00	Kimberling Creek	BLAND CO GILES CO	Middle segment of mainstem, from Bland Correctional Farm raw water intake upstream to Nobusiness Creek. Section 1e, Class IV, PWS, u.

VA Overall AU Category: **5A**

Use	Impairment	4.74 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		00892	**2004**	**2014**	

Sources: Animal Feeding Operations (NPS)

TMDL Watershed Name: **Knob Fork**

TMDL Group ID: **50154**

VAS-N05R_KNB01A06	Knob Fork	GRAYSON CO	Elk Creek tributary NE of Brierpatch Mtn. Section 2, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	4.31 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		50154	**2006**	**2018**	

Sources: Grazing in Riparian or Shoreline Zones

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

New River Basin

TMDL Watershed Name: **Laurel Creek**

TMDL Group ID: **00895**

VAS-N33R_LAC01A00 **Laurel Creek** BLAND CO

From Wolf Creek upstream to The confluence of Dry Fork. Section 1, Class VI, designated natural trout waters.

VA Overall AU Category: **5A**

Use	Impairment	1.60 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00895	**2006**	**2014**	
		Sources:	Source Unknown			
Recreation	**Fecal Coliform**		00895	**2002**	**2014**	
		Sources:	Source Unknown			

TMDL Group ID: **01729**

VAW-N21R_LLL01A04 **Laurel Creek Class IV** FLOYD CO

Laurel Creek from its headwaters NW of Rts. 608 and 673 intersection downstream to its confluence with Little River.

VA Overall AU Category: **5A**

Use	Impairment	3.25 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		01729	**2004**	**2016**	
		Sources:	Livestock (Grazing or Feeding Operations)			
			On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)			
			Unspecified Domestic Waste			
			Wastes from Pets			
			Wildlife Other than Waterfowl			

TMDL Watershed Name: **Laurel Fork**

TMDL Group ID: **00259**

VAS-N37R_LRR01A94 **Laurel Fork** TAZEWELL CO

Laurel Fork mainstem from the Curran Branch confluence, river mile 5.90, to WV line at river mile 1.35 on the Anawalt and Brammwell quad sheets. Section 1, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	4.54 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		00259	**1996**	**2006**	
		Sources:	Source Unknown			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

New River Basin

TMDL Watershed Name: **Laurel Fork**

TMDL Group ID: **00260**

VAS-N37R_LRR01A94	Laurel Fork	TAZEWELL CO	Laurel Fork mainstem from the Curran Branch confluence, river mile 5.90, to WV line at river mile 1.35 on the Anawalt and Brammwell quad sheets. Section 1, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	4.54 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00260	**2006**	**2006**	The original fecal coliform impairment is no longer appropriate because there are 12 or more e.coli samples that indicate impairment.

Sources: Sanitary Sewer Overflows (Collection System Failures)
Septage Disposal

TMDL Group ID: **00261**

VAS-N37R_LRR01A94	Laurel Fork	TAZEWELL CO	Laurel Fork mainstem from the Curran Branch confluence, river mile 5.90, to WV line at river mile 1.35 on the Anawalt and Brammwell quad sheets. Section 1, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	4.54 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Oxygen, Dissolved**		00261	**1994**	**2006**	

Sources: Sanitary Sewer Overflows (Collection System Failures)
Septage Disposal

TMDL Watershed Name: **Little Helton Creek**

TMDL Group ID: **00870**

VAS-N01R_LHC01A02	Little Helton Creek	GRAYSON CO	From VA political boundary upstream, tributary to Helton Ck. Section 2, Class VI, designated natural trout waters within Jefferson National Forest, DGIF ii.

VA Overall AU Category: **5A**

Use	Impairment	3.42 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		00870	**2004**	**2016**	

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

New River Basin

TMDL Watershed Name: **Little River**

TMDL Group ID: **00875**

VAS-N04R_LVR01A98	Little River	GRAYSON CO	Little River mainstem from NC state line, river mile 5.20, to the confluence at New River. Section 2, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	5.25 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		00875	**2004**	**2016**	

Sources: Animal Feeding Operations (NPS)

TMDL Group ID: **01724**

VAW-N19R_LRV02A00	Little River Middle	FLOYD CO	Little River mainstem waters from the mouth of Oldfield Creek upstream to the mouth of Meadow Creek.

VA Overall AU Category: **5A**

Use	Impairment	10.93 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		01724	**2006**	**2016**	

Sources: Livestock (Grazing or Feeding Operations)
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)
Unspecified Domestic Waste
Wildlife Other than Waterfowl

Recreation	**Fecal Coliform**		01724	**2004**	**2016**	

Sources: Livestock (Grazing or Feeding Operations)
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)
Unspecified Domestic Waste
Wildlife Other than Waterfowl

TMDL Group ID: **01725**

VAW-N19R_LRV02A00	Little River Middle	FLOYD CO	Little River mainstem waters from the mouth of Oldfield Creek upstream to the mouth of Meadow Creek.

VA Overall AU Category: **5A**

Use	Impairment	10.93 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Temperature, water**		01725	**2002**	**2014**	Category 5C. Temperature exceedances believed naturally occuring.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

New River Basin

TMDL Watershed Name: **Little River**

TMDL Group ID: **01730**

VAW-N21R_LRV01A00 **Little River Lower** MONTGOMERY CO PULASKI CO

The mainstem waters of Little River from its mouth on the New River upstream to the Little River Reservoir Dam.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	0.49 MILES	01730	**2004**	**2016**	

Sources: Livestock (Grazing or Feeding Operations)
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)
Unspecified Domestic Waste
Wildlife Other than Waterfowl

VAW-N21R_LRV03A00 **Little River Lower 1** MONTGOMERY CO PULASKI CO

Mainstem Little River from the backwaters of Little River Reservoir upstream to the end of the designated PWS section from the Radford City intake.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	0.62 MILES	01730	**2002**	**2014**	

Sources: Livestock (Grazing or Feeding Operations)
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)
Unspecified Domestic Waste
Wildlife Other than Waterfowl

VAW-N21R_LRV04A00 **Little River Middle 1** MONTGOMERY CO PULASKI CO

Mainstem Little River from the PWS designated end upstream to the mouth of Meadow Creek.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	0.67 MILES	01730	**2002**	**2014**	

Sources: Livestock (Grazing or Feeding Operations)
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)
Unspecified Domestic Waste
Wildlife Other than Waterfowl

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

New River Basin

TMDL Watershed Name: **Little River**

TMDL Group ID: **01730**

VAW-N21R_LRV06A04 **Little River Upper 2** FLOYD CO MONTGOMERY CO Little River from the end of Rt. 706 downstream to the confluence of Sidney Creek.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		01730	**2004**	**2016**	

Sources: Livestock (Grazing or Feeding Operations)
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)
Unspecified Domestic Waste
Wildlife Other than Waterfowl

TMDL Group ID: **50298**

VAW-N21R_LRV05A00 **Little River Middle 2** FLOYD CO PULASKI CO The Little River mainstem waters from the mouth of Meadow Creek upstream to the mouth of Big Indian Creek.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		50298	**2006**	**2016**	

Sources: Livestock (Grazing or Feeding Operations)
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)
Unspecified Domestic Waste
Wildlife Other than Waterfowl

VAW-N21R_LRV06A00 **Little River Upper 1** FLOYD CO MONTGOMERY CO The Little River mainstem from the mouth of Big Indian Creek upstream to the WQS designated natural trout water section.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		50298	**2006**	**2016**	

Sources: Livestock (Grazing or Feeding Operations)
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)
Unspecified Domestic Waste
Wildlife Other than Waterfowl

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

New River Basin

TMDL Watershed Name: **Little River**

TMDL Group ID: **50298**

VAW-N21R_LRV07A00 **Little River Upper 2** FLOYD CO Little River mainstem from the WQS designated natural trout waters upstream to the mouth of the West Fork of Little River.

VA Overall AU Category: **5A**

Use	Impairment	3.68 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		50298	**2006**	**2016**	
		Sources:	Livestock (Grazing or Feeding Operations) On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems) Unspecified Domestic Waste Wildlife Other than Waterfowl			
Recreation	**Fecal Coliform**		50298	**2006**	**2016**	
		Sources:	Livestock (Grazing or Feeding Operations) On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems) Unspecified Domestic Waste Wildlife Other than Waterfowl			

TMDL Watershed Name: **Little River, Meadow Run, Pine Creek**

TMDL Group ID: **50297**

VAW-N19R_LRV01A00 **Little River Lower** FLOYD CO Little River mainstem waters from the West Fork Little River confluence upstream to the mouth of Oldfield Creek.

VA Overall AU Category: **5A**

Use	Impairment	8.63 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		50297	**2006**	**2018**	
		Sources:	Livestock (Grazing or Feeding Operations) On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems) Unspecified Domestic Waste Wildlife Other than Waterfowl			

VAW-N19R_LRV03A00 **Little River Upper** FLOYD CO Little River mainstem waters from the mouth of Meadow Creek upstream to the mouth of Payne Creek.

VA Overall AU Category: **5A**

Use	Impairment	14.07 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		50297	**2006**	**2018**	
		Sources:	Livestock (Grazing or Feeding Operations) On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems) Unspecified Domestic Waste Wildlife Other than Waterfowl			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

New River Basin

TMDL Watershed Name: **Little River, Meadow Run, Pine Creek**

TMDL Group ID: **50297**

VAW-N19R_MDR01A04 **Meadow Run Class VI** FLOYD CO Meadow Run from its headwaters downstream to its confluence with Little River.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	3.73 MILES	50297	**2006**	**2018**	

Sources: Livestock (Grazing or Feeding Operations)
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)
Unspecified Domestic Waste
Wildlife Other than Waterfowl

VAW-N19R_PNC01A06 **Pine Creek** FLOYD CO Pine Creek mainstem from its mouth on Little River upstream to the impounding structure of a pond.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	3.69 MILES	50297	**2006**	**2018**	

Sources: Livestock (Grazing or Feeding Operations)
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)
Unspecified Domestic Waste
Wildlife Other than Waterfowl

TMDL Watershed Name: **Little Stony Creek**

TMDL Group ID: **01733**

VAW-N24R_LRY01A00 **Little Stony Creek Lower** GILES CO Mainstem waters of Little Stony Creek from its confluence on the New River upstream to the first unnamed tributary at Pembroke, Virginia.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	2.06 MILES	01733	**2002**	**2014**	

Sources: Livestock (Grazing or Feeding Operations)
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)
Unspecified Domestic Waste
Wastes from Pets
Wildlife Other than Waterfowl

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

New River Basin

TMDL Watershed Name: **Little Walker Creek**

TMDL Group ID: **01734**

VAW-N27R_LWK01A00 **Little Walker Creek Lower** PULASKI CO Little Walker Creek mainstem from its confluence with Walker Creek upstream to the mouth of Spur Branch.

VA Overall AU Category: **5A**

Use	Impairment	17.15 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		01734	**2006**	**2016**	
		Sources:	Livestock (Grazing or Feeding Operations) On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems) Unspecified Domestic Waste Wastes from Pets Wildlife Other than Waterfowl			
Recreation	**Fecal Coliform**		01734	**2004**	**2016**	
		Sources:	Livestock (Grazing or Feeding Operations) On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems) Unspecified Domestic Waste Wastes from Pets Wildlife Other than Waterfowl			

TMDL Watershed Name: **Meadow Creek, Lower**

TMDL Group ID: **01731**

VAW-N21R_MDW01A00 **Meadow Creek Lower** MONTGOMERY CO The Meadow Creek mainstem from its confluence with Little River upstream to the mouth of Mill Creek on Meadow Creek.

VA Overall AU Category: **5A**

Use	Impairment	4.48 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		01731	**2002**	**2014**	
		Sources:	Livestock (Grazing or Feeding Operations) On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems) Unspecified Domestic Waste Wildlife Other than Waterfowl			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

New River Basin

TMDL Watershed Name: **Mill Creek**

TMDL Group ID: **00881**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-N08R_MRN01A04	**Mill Creek**	WYTHE CO	Enters New River from north, near New Jersey Zinc. Section 2, Class V, designated stockable trout waters.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	3.64 MILES	00881	**2004**	**2016**	

Sources: Grazing in Riparian or Shoreline Zones
Livestock (Grazing or Feeding Operations)

TMDL Watershed Name: **Miller Creek**

TMDL Group ID: **50165**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-N11R_MER01A06	**Miller Creek**	WYTHE CO	From Beaverdam confluence at Max Meadows downstream to Reed Creek. Section 2, Class IV.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	0.42 MILES	50165	**2006**	**2018**	

Sources: Livestock (Grazing or Feeding Operations)

TMDL Watershed Name: **New River**

TMDL Group ID: **00386**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-N02R_NEW01A98	**New River**	GRAYSON CO	Upper mainstem begins at the North Carolina state line at river mile 189.06, and extends downstream to backwaters of Fields Dam near Mouth of Wilson at river mile 188.46. Sources are in North Carolina. Section 2, Class IV.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	0.73 MILES	00386	**2004**	**2016**	

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-N02R_NEW02A98	**New River**	GRAYSON CO	Mainstem from the backwaters of Fields Dam, river mile 188.46 to Fields Dam, river mile 186.06. Sources are in North Carolina. Section 2k, Class IV.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	2.48 MILES	00386	**2004**	**2016**	

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

New River Basin

TMDL Watershed Name: **New River**

TMDL Group ID: **00386**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-N02R_NEW03C04	**New River**	GRAYSON CO	Downstream segment of mainstem in N03. Section 2k, Class IV.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	4.19 MILES	00386	**2004**	**2016**	

Sources: Source Unknown

TMDL Group ID: **00530**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAW-N24R_NEW01A00	**New River Lower 1**	GILES CO	New River mainstem from the confluence of Stony Creek upstream to the mouth of Walker Creek on the New River.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**DDE**	3.81 MILES	00530	**2004**	**2016**	AU Listed for DDE 2004 VAW-N22R-01.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAW-N24R_NEW02A00	**New River Lower 2**	GILES CO	New River mainstem waters from the mouth of Walker Creek upstream to the confluence of Little Stony Creek with the New River.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**DDE**	1.95 MILES	00530	**2004**	**2016**	AU Listed for DDE 2004 VAW-N22R-01.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAW-N24R_NEW03A00	**New River Middle**	GILES CO	New River mainstem waters from the confluence of Little Stony Creek upstream to mouth of Sinking Creek on the New River.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**DDE**	3.86 MILES	00530	**2004**	**2016**	AU Listed for DDE 2004 VAW-N22R-01.

Sources: Source Unknown

TMDL Group ID: **00535**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAW-N24R_NEW01A00	**New River Lower 1**	GILES CO	New River mainstem from the confluence of Stony Creek upstream to the mouth of Walker Creek on the New River.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**DDT**	3.81 MILES	00535	**2004**	**2016**	AU Listed for DDT 2004 VAW-N22R-01.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

New River Basin

TMDL Watershed Name: **New River**

TMDL Group ID: **00535**

VAW-N24R_NEW02A00 **New River Lower 2** GILES CO

New River mainstem waters from the mouth of Walker Creek upstream to the confluence of Little Stony Creek with the New River.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**DDT**	1.95 MILES	00535	**2004**	**2016**	AU Listed for DDT 2004 VAW-N22R-01.

Sources: Source Unknown

VAW-N24R_NEW03A00 **New River Middle** GILES CO

New River mainstem waters from the confluence of Little Stony Creek upstream to mouth of Sinking Creek on the New River.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**DDT**	3.86 MILES	00535	**2004**	**2016**	AU Listed for DDT 2004 VAW-N22R-01.

Sources: Source Unknown

TMDL Group ID: **00876**

VAS-N04R_NEW01B02 **New River** GRAYSON CO

New River mainstem from Bridle Creek confluence downstream to Saddle Creek confluence. Section 2, Class IV.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	1.51 MILES	00876	**2004**	**2016**	

Sources: Source Unknown

TMDL Group ID: **00878**

VAS-N06R_NEW01A00 **New River** GRAYSON CO

Mainstem from the Elk Creek confluence, river mile 151.71, near Riverside to five miles above Fries Dam, river mile 146.52. Section 2, Class IV, PWS

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	5.19 MILES	00878	**2004**	**2016**	

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

New River Basin

TMDL Watershed Name: **New River**

TMDL Group ID: **30005**

VAS-N08R_NEW01A02	New River	PULASKI CO WYTHE CO	Mainstem from Reed Creek confluence downstream to Reed Island Creek confluence. Section 2, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	5.69 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		30005	**2006**	**2018**	

Sources: Source Unknown

TMDL Group ID: **30029**

VAS-N02R_NEW01A98	New River	GRAYSON CO	Upper mainstem begins at the North Carolina state line at river mile 189.06, and extends downstream to backwaters of Fields Dam near Mouth of Wilson at river mile 188.46. Sources are in North Carolina. Section 2, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	0.73 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**Mercury in Fish Tissue**		30029	**2006**	**2018**	In 2004 smallmouth bass, flathead catfish, white sucker exceeded the TSV for Hg; a second smallmouth bass exceeds the VDH level of concern.

Sources: Source Unknown

VAS-N02R_NEW02A98	New River	GRAYSON CO	Mainstem from the backwaters of Fields Dam, river mile 188.46 to Fields Dam, river mile 186.06. Sources are in North Carolina. Section 2k, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	2.48 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**Mercury in Fish Tissue**		30029	**2006**	**2018**	In 2004 smallmouth bass, flathead catfish, white sucker exceeded the TSV for Hg; a second smallmouth bass exceeds the VDH level of concern.

Sources: Source Unknown

VAS-N02R_NEW03C04	New River	GRAYSON CO	Downstream segment of mainstem in N03. Section 2k, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	4.19 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**Mercury in Fish Tissue**		30029	**2006**	**2018**	In 2004 smallmouth bass, flathead catfish, white sucker exceeded the TSV for Hg; a second smallmouth bass exceeds the VDH level of concern.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

New River Basin

TMDL Watershed Name: **New River**

TMDL Group ID: **30030**

VAS-N04R_NEW01A98 | **New River** | GRAYSON CO | Mainstem from Brush Creek confluence downstream to Peach Bottom Creek confluence. Section 2, Class IV

VA Overall AU Category: **5A**

Use	Impairment	6.02 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**Mercury in Fish Tissue**		30030	**2006**	**2018**	In 2004: smallmouth bass, rock bass, carp exceed the TSV for Hg; a second flathead catfish exceeds the VDH level of concern.

Sources: Source Unknown

VAS-N04R_NEW02B06 | **New River** | GRAYSON CO | From NC line downstream to Brush Creek confluence. Section 2, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	0.43 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**Mercury in Fish Tissue**		30030	**2006**	**2018**	In 2004:smallmouth bass, rock bass, carp exceed the TSV for Hg; a second flathead catfish exceeds the VDH level of concern.

Sources: Source Unknown

TMDL Group ID: **30031**

VAS-N04R_NEW01C02 | **New River** | GRAYSON CO | Mainstem from Little River confluence downstream to Rock Creek confluence. Section 2, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	4.71 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**Mercury in Fish Tissue**		30031	**2006**	**2018**	In 2004:smallmouth bass, rock bass, carp exceed the TSV for Hg; a second flathead catfish exceeds the VDH level of concern.

Sources: Source Unknown

TMDL Group ID: **30033**

VAS-N08R_NEW02A02 | **New River** | WYTHE CO | Mainstem from Buddle Branch confluence downstream to Reed Creek confluence. Section 2, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	2.35 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**Mercury in Fish Tissue**		30033	**2006**	**2018**	

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

New River Basin

TMDL Watershed Name: **New River**

TMDL Group ID: **30034**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-N08R_NEW03A06	**New River**	WYTHE CO	Mainstem from Rt 58 bridge downstream to Reed Creek confluence. Section 2, Class IV.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**Mercury in Fish Tissue**	30034	**2006**	**2018**		

Sources: Source Unknown

TMDL Group ID: **50000**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAW-N24R_NEW01A00	**New River Lower 1**	GILES CO	New River mainstem from the confluence of Stony Creek upstream to the mouth of Walker Creek on the New River.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**Heptachlor epoxide**	3.81 MILES	50000	**2006**	**2018**	Heptachlor epoxide has moved from Risk based to WQS TV.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAW-N24R_NEW02A00	**New River Lower 2**	GILES CO	New River mainstem waters from the mouth of Walker Creek upstream to the confluence of Little Stony Creek with the New River.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**Heptachlor epoxide**	1.95 MILES	50000	**2006**	**2018**	Heptachlor epoxide has moved from Risk based to WQS TV.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAW-N24R_NEW03A00	**New River Middle**	GILES CO	New River mainstem waters from the confluence of Little Stony Creek upstream to mouth of Sinking Creek on the New River.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**Heptachlor epoxide**	3.86 MILES	50000	**2006**	**2018**	Heptachlor epoxide has moved from Risk based to WQS TV.

Sources: Source Unknown

TMDL Group ID: **50156**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-N08R_NEW01A02	**New River**	PULASKI CO WYTHE CO	Mainstem from Reed Creek confluence downstream to Reed Island Creek confluence. Section 2, Class IV.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	5.69 MILES	50156	**2006**	**2016**	

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

New River Basin

TMDL Watershed Name: **New River**

TMDL Group ID: **50158**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-N08R_NEW01B98	New River	WYTHE CO	From Austinsville PWS intake, 124.05, downstream to the confluence of Buddle Br, mile 122.65. Section 2, Class IV.

VA Overall AU Category: 5A

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli		50158	2006	2018	

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-N08R_NEW03B98	New River	CARROLL CO	From Buck Dam , river mile129.80, to five miles upstream Austinsville raw qater intake, mile 129.05. Section 2, Class IV.

VA Overall AU Category: 5A

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli		50158	2006	2018	

Sources: Source Unknown

TMDL Group ID: **50159**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-N08R_NEW02B00	New River	CARROLL CO WYTHE CO	Mainstem public water supply segment. Section 2l, Class IV, PWS

VA Overall AU Category: 5A

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli		50159	2006	2018	

Sources: Source Unknown

TMDL Group ID: **50302**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAW-N29R_NEW01A02	New River Lower	GILES CO	New River mainstem from the backwaters of Bluestone Reservoir, Route 460, to the confluence of Rich Creek.

VA Overall AU Category: 5A

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli		50302	2006	2018	

Sources: Livestock (Grazing or Feeding Operations)
Municipal (Urbanized High Density Area)
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)
Unspecified Domestic Waste
Wastes from Pets
Wildlife Other than Waterfowl

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

New River Basin

TMDL Watershed Name: **New River**

TMDL Group ID: **50302**

VAW-N29R_NEW02A02 **New River Middle 1** GILES CO New River mainstem from the mouth of Rich Creek upstream to the confluence of Wolf Creek.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		50302	**2006**	**2018**	

Sources: Livestock (Grazing or Feeding Operations)
Municipal (Urbanized High Density Area)
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)
Unspecified Domestic Waste
Wastes from Pets
Wildlife Other than Waterfowl

VAW-N35R_NEW01A00 **New River** GILES CO New River mainstem from the Rt. 460 Bridge at Glen Lyn downstream to the Virginia/West Virginia State Line.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		50302	**2006**	**2018**	

Sources: Livestock (Grazing or Feeding Operations)
Municipal (Urbanized High Density Area)
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)
Unspecified Domestic Waste
Wastes from Pets
Wildlife Other than Waterfowl

TMDL Watershed Name: **New River Watershed, PCB**

TMDL Group ID: **30001**

VAW-N16L_NEW01A02 **Claytor Lake Lower (New River)** PULASKI CO Claytor Lake from its impounding structure upstream to the former Burlington Industries intake.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		30001	**2006**	**2018**	VDH Fish Consumption Advisory. VDH-NEW-PCB.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

New River Basin

TMDL Watershed Name: **New River Watershed, PCB**

TMDL Group ID: **30001**

VAW-N16L_NEW02A02 **Claytor Lake Middle 1 (New River) PWS** PULASKI CO

Claytor Lake from the former Burlington Industries intake upstream to the confluence of Peak Creek

VA Overall AU Category: **5A**

Use	Impairment	242.06 ACRES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		30001	**2006**	**2018**	VDH Fish Consumption Advisory. VDH-NEW-PCB.

Sources: Source Unknown

VAW-N16L_NEW03A02 **Claytor Lake Middle 2 (New River) PWS** PULASKI CO

Claytor Lake from the confluence of Peak Creek upstream to the end of the WQS public water supply (PWS) designation. The segment ends five miles upstream of the former Burlington Industries intake.

VA Overall AU Category: **5A**

Use	Impairment	704.08 ACRES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		30001	**2006**	**2018**	VDH Fish Consumption Advisory. VDH-NEW-PCB.

Sources: Source Unknown

VAW-N16L_NEW04A02 **Claytor Lake Middle 3 (New River) PWS** PULASKI CO

Claytor Lake from the end of the Burlington WQS public water supply (PWS) designation upstream to the Pulaski County PSA intake.

VA Overall AU Category: **5A**

Use	Impairment	435.57 ACRES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		30001	**2006**	**2018**	VDH Fish Consumption Advisory. VDH-NEW-PCB.

Sources: Source Unknown

VAW-N16L_NEW05A02 **Claytor Lake Upper 1 (New River) PWS** PULASKI CO

Claytor Lake from the Pulaski County PSA intake upstream to the end of the WQS public water supply (PWS) designation. Five miles upstream from the Pulaski County PSA intake.

VA Overall AU Category: **5A**

Use	Impairment	660.28 ACRES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		30001	**2006**	**2018**	VDH Fish Consumption Advisory. VDH-NEW-PCB.

Sources: Source Unknown

VAW-N16L_NEW06A02 **Claytor Lake Upper 2 (New River) Non PWS** PULASKI CO

Claytor Lake from the upstream end of the Pulaski County PSA WQS public water supply (PWS) designation upstream to the backwaters of Claytor Lake at Allisonia.

VA Overall AU Category: **5A**

Use	Impairment	146.65 ACRES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		30001	**2006**	**2018**	VDH Fish Consumption Advisory. VDH-NEW-PCB.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

New River Basin

TMDL Watershed Name: **New River Watershed, PCB**

TMDL Group ID: **30001**

VAW-N16L_PKC01A02 — **Claytor Lake - Peak Creek Lower** — PULASKI CO

Peak Creek from its confluence with the New River upstream to the end of the WQS public water supply (PWS) designation.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	216.87	ACRES	30001	**2002**	**2014**	VDH Fish Consumption Advisory. VDH-NEW-PCB. AU originally Listed in 2002 VAW-N16L-02 for PCB.

Sources: Source Unknown

VAW-N16L_PKC02A02 — **Claytor Lake - Peak Creek Upper** — PULASKI CO

Peak Creek from the end of the WQS public water supply (PWS) designation upstream to its backwaters.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	77.74	ACRES	30001	**2002**	**2014**	VDH Fish Consumption Advisory. VDH-NEW-PCB. AU originally Listed in 2002 VAW-N16L-02 for PCB.

Sources: Source Unknown

VAW-N16R_NEW01A00 — **New River Upper (Allisonia)** — PULASKI CO

This section of the New River extends from the mouth of Big Reed Island Creek downstream to the backwaters of Claytor Lake.

VA Overall AU Category: **5A**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.81	MILES	30001	**2006**	**2018**	VDH Fish Consumption Advisory. VDH-NEW-PCB.

Sources: Source Unknown

VAW-N17R_PKC01A00 — **Peak Creek Lower** — PULASKI CO

This portion of Peak Creek begins just downstream of the Rt. 99/Norfolk Southern crossing extending downstream to the inundation of Peak Creek in Claytor Lake.

VA Overall AU Category: **5D**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	2.84	MILES	30001	**2002**	**2014**	VDH Fish Consumption Advisory. VDH-NEW-PCB. AU originally Listed in 2002 VAW-N17R-01 for PCB.

Sources: Source Unknown

VAW-N17R_PKC02A00 — **Peak Creek Middle 1** — PULASKI CO

The segment begins downstream of the Washington Ave. Bridge (~0.20 miles) and extends on downstream to just below the Rt. 99 Bridge/Norfolk Southern Railway crossing of Peak Creek.

VA Overall AU Category: **5D**

Use	Impairment			TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	1.62	MILES	30001	**2002**	**2014**	VDH Fish Consumption Advisory. VDH-NEW-PCB. AU originally Listed in 2002 VAW-N17R-01 for PCB.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

New River Basin

TMDL Watershed Name: **New River Watershed, PCB**

TMDL Group ID: **30001**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAW-N17R_PKC03A00	**Peak Creek Middle 2**	PULASKI CO	This portion of Peak Creek extends from the mouth of Tract Fork to downstream of the Washington Ave. Bridge (~0.20 miles).

VA Overall AU Category: **5D**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.49 MILES	30001	**2006**	**2014**	VDH Fish Consumption Advisory. VDH-NEW-PCB. VDH December 2004 Advisory extends beyond original 2002 listing. AU would be Listed with original 2002 VAW-N17R-01 for PCB.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAW-N18R_NEW01A00	**New River Lower**	PULASKI CO RADFORD CITY	New River mainstem from the Watershed boundary, Crab Creek mouth, upstream to approximatley one mile downstream of the Rt. 11 Bridge; end of the WQS public water supply (PWS) section.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	3.27 MILES	30001	**2006**	**2018**	VDH Fish Consumption Advisory. VDH-NEW-PCB.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAW-N18R_NEW02A00	**New River Middle**	PULASKI CO RADFORD CITY	New River mainstem from approximately one mile downstream of the Rt. 11 Bridge upstream to the Radford City intake.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	3.73 MILES	30001	**2006**	**2018**	VDH Fish Consumption Advisory. VDH-NEW-PCB.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAW-N18R_NEW03A00	**New River Upper 1**	MONTGOMERY CO RADFORD CITY	New River mainstem from the City of Radford water intake upstream to the confluence of Little River.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	2.12 MILES	30001	**2006**	**2018**	VDH Fish Consumption Advisory. VDH-NEW-PCB.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAW-N18R_NEW04A00	**New River Claytor Dam**	PULASKI CO	New River mainstem waters from the mouth of Little River upstream to Claytor Dam.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.66 MILES	30001	**2006**	**2018**	VDH Fish Consumption Advisory. VDH-NEW-PCB.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

New River Basin

TMDL Watershed Name: **New River Watershed, PCB**

TMDL Group ID: **30001**

VAW-N22R_NEW01A00 — **New River Lower 1** — MONTGOMERY CO, PULASKI CO

The New River mainstem from the confluence of Back Creek downstream to the Watershed Boundary at the Montgomery / Giles County Line.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	3.44 MILES	30001	**2002**	**2014**	VDH Fish Consumption Advisory. VDH-NEW-PCB. AU originally Listed 2002 as VAW-N22R-01 for PCB.

Sources: Source Unknown

VAW-N22R_NEW02A00 — **New River Lower 2** — MONTGOMERY CO, PULASKI CO

New River mainstem from the Radford Army Arsenal Plant downstream intake near Whitethorne downstream to the confluence of Back Creek.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	2.89 MILES	30001	**2002**	**2014**	VDH Fish Consumption Advisory. VDH-NEW-PCB. AU originally Listed 2002 as VAW-N22R-01 for PCB.

Sources: Source Unknown

VAW-N22R_NEW03A00 — **New River Middle 1** — MONTGOMERY CO, PULASKI CO

New River mainstem from the confluence of Stroubles Creek downstream to the Radford Army Arsenal Plant downstream water intake near Whitethorne.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	4.51 MILES	30001	**2002**	**2014**	VDH Fish Consumption Advisory. VDH-NEW-PCB. AU originally Listed 2002 as VAW-N22R-01 for PCB.

Sources: Source Unknown

VAW-N22R_NEW04A00 — **New River Middle 2** — MONTGOMERY CO, PULASKI CO

New River mainstem from the Radford Army Arsenal Plant upstream intake/Pepper's Ferry Region POTW outfall downstream to the confluence of Stroubles Creek.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	2.35 MILES	30001	**2002**	**2014**	VDH Fish Consumption Advisory. VDH-NEW-PCB. AU originally Listed 2002 as VAW-N22R-01 for PCB.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

New River Basin

TMDL Watershed Name: **New River Watershed, PCB**

TMDL Group ID: **30001**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAW-N22R_NEW05A00	**New River Upper**	MONTGOMERY CO PULASKI CO	New River mainstem from the Blacksburg /Christiansburg /VPI Authorty intake at Rt. 114 downstream to the Radford Army Arsenal Plant upstream intake / Pepper's Ferry Regional POTW outfall.

VA Overall AU Category: **5A**

Use	Impairment	1.78 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		30001	**2002**	**2014**	VDH Fish Consumption Advisory. VDH-NEW-PCB. AU originally Listed 2002 as VAW-N22R-01 for PCB.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAW-N22R_NEW06A00	**New River Upper 2**	MONTGOMERY CO PULASKI CO	New River mainstem from the Watershed Boundary at the Crab Creek confluence downstream to the Blacksburg /Christiansburg /VPI Authorty intake.

VA Overall AU Category: **5A**

Use	Impairment	1.73 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		30001	**2006**	**2018**	VDH Fish Consumption Advisory. VDH-NEW-PCB.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAW-N23R_NEW01A00	**New River**	GILES CO	New River mainstem from the Giles/Montgomery County Line downstream to the confluence of Sinking Creek.

VA Overall AU Category: **5A**

Use	Impairment	5.52 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		30001	**2002**	**2014**	VDH Fish Consumption Advisory. VDH-NEW-PCB. AU originally Listed 2002 as VAW-N22R-01 for PCB.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAW-N24R_NEW01A00	**New River Lower 1**	GILES CO	New River mainstem from the confluence of Stony Creek upstream to the mouth of Walker Creek on the New River.

VA Overall AU Category: **5A**

Use	Impairment	3.81 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		30001	**2002**	**2014**	VDH Fish Consumption Advisory. VDH-NEW-PCB. AU originally Listed 2002 as VAW-N22R-01 for PCB.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAW-N24R_NEW02A00	**New River Lower 2**	GILES CO	New River mainstem waters from the mouth of Walker Creek upstream to the confluence of Little Stony Creek with the New River.

VA Overall AU Category: **5A**

Use	Impairment	1.95 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		30001	**2002**	**2014**	VDH Fish Consumption Advisory. VDH-NEW-PCB. AU originally Listed 2002 as VAW-N22R-01 for PCB.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

New River Basin

TMDL Watershed Name: **New River Watershed, PCB**

TMDL Group ID: **30001**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAW-N24R_NEW03A00	**New River Middle**	GILES CO	New River mainstem waters from the confluence of Little Stony Creek upstream to mouth of Sinking Creek on the New River.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	3.86 MILES	30001	**2002**	**2014**	VDH Fish Consumption Advisory. VDH-NEW-PCB. AU originally Listed 2002 as VAW-N22R-01 for PCB.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAW-N29R_NEW01A02	**New River Lower**	GILES CO	New River mainstem from the backwaters of Bluestone Reservoir, Route 460, to the confluence of Rich Creek.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	3.14 MILES	30001	**2002**	**2014**	VDH Fish Consumption Advisory. VDH-NEW-PCB. AU originally Listed 2002 as VAW-N22R-01 for PCB.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAW-N29R_NEW02A02	**New River Middle 1**	GILES CO	New River mainstem from the mouth of Rich Creek upstream to the confluence of Wolf Creek.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	3.53 MILES	30001	**2002**	**2014**	VDH Fish Consumption Advisory. VDH-NEW-PCB. AU originally Listed 2002 as VAW-N22R-01 for PCB.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAW-N29R_NEW03A02	**New River Middle 2**	GILES CO	New River mainstem from the confluence of Wolf Creek upstream to the Celanese Acetate Plant outfalls.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	2.79 MILES	30001	**2002**	**2014**	VDH Fish Consumption Advisory. VDH-NEW-PCB. AU originally Listed 2002 as VAW-N22R-01 for PCB.

Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAW-N29R_NEW04A02	**New River Upper**	GILES CO	New River mainstem from the Celeanse Acetate Plant outfalls upstream to the watershed boundary at the confluence of Stony Creek.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	5.66 MILES	30001	**2002**	**2014**	VDH Fish Consumption Advisory. VDH-NEW-PCB. AU originally Listed 2002 as VAW-N22R-01 for PCB.

Sources: Source Unknown

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

New River Basin

TMDL Watershed Name: **New River Watershed, PCB**

TMDL Group ID: **30001**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAW-N35R_NEW01A00	**New River**	GILES CO	New River mainstem from the Rt. 460 Bridge at Glen Lyn downstream to the Virginia/West Virginia State Line.

VA Overall AU Category: **5A**

Use	Impairment	6.85 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**		30001	**2002**	**2014**	VDH Fish Consumption Advisory. VDH-NEW-PCB. AU originally Listed 2002 as VAW-N22R-01 for PCB.

Sources: Source Unknown

TMDL Watershed Name: **New River, Upper Allisonia**

TMDL Group ID: **00504**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAW-N16R_NEW01A00	**New River Upper (Allisonia)**	PULASKI CO	This section of the New River extends from the mouth of Big Reed Island Creek downstream to the backwaters of Claytor Lake.

VA Overall AU Category: **5A**

Use	Impairment	0.81 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		00504	**1998**	**2010**	

Sources: Source Unknown

TMDL Group ID: **01721**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAW-N16R_NEW01A00	**New River Upper (Allisonia)**	PULASKI CO	This section of the New River extends from the mouth of Big Reed Island Creek downstream to the backwaters of Claytor Lake.

VA Overall AU Category: **5A**

Use	Impairment	0.81 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		01721	**2006**	**2016**	12 or more Escherichia coli (E.coli) bacteria samples.

Sources: Livestock (Grazing or Feeding Operations)
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)
Unspecified Domestic Waste
Wastes from Pets
Wildlife Other than Waterfowl

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

New River Basin

TMDL Watershed Name: **Peach Bottom Creek**

TMDL Group ID: **00877**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-N04R_PBC01A98	**Peach Bottom Creek**	GRAYSON CO	Mainstem from Beaverdam Creek confluence downstream to New River confluence. Section 2, Class V, designated stockable trout waters.

VA Overall AU Category: **5A**

Use	Impairment	2.73 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00877	**2006**	**2016**	
		Sources:	Source Unknown			
Recreation	**Fecal Coliform**		00877	**2004**	**2016**	
		Sources:	Source Unknown			

TMDL Watershed Name: **Peak Creek**

TMDL Group ID: **00021**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAW-N17R_PKC02A00	**Peak Creek Middle 1**	PULASKI CO	The segment begins downstream of the Washington Ave. Bridge (~0.20 miles) and extends on downstream to just below the Rt. 99 Bridge/Norfolk Southern Railway crossing of Peak Creek.

VA Overall AU Category: **5D**

Use	Impairment	1.62 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00021	**2006**	**2004**	Category 4A. 12 or more Escherichia coli (E.coli) bacteria samples. Peak Creek Bacteria TMDL Study & Allocations U.S. EPA approved on 8/30/2004; Fed. ID 7824. SWCB approved 12/02/2004.
		Sources:	Livestock (Grazing or Feeding Operations) Municipal (Urbanized High Density Area) Unspecified Domestic Waste Wastes from Pets Wildlife Other than Waterfowl			

TMDL Group ID: **00154**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAW-N17R_PKC01A00	**Peak Creek Lower**	PULASKI CO	This portion of Peak Creek begins just downstream of the Rt. 99/Norfolk Southern crossing extending downstream to the inundation of Peak Creek in Claytor Lake.

VA Overall AU Category: **5D**

Use	Impairment	2.84 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		00154	**1996**	**2004**	Category 4A. Peak Creek General Standard - Benthic (Metals) TMDL Study & Allocations U.S. EPA approved on 8/30/2004; Fed. ID 7823/7822. SWCB approved 12/02/2004.
		Sources:	Contaminated Sediments Industrial/Commercial Site Stormwater Discharge (Permittted) Sediment Resuspension (Contaminated Sediment)			

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

New River Basin

TMDL Watershed Name: **Peak Creek**

TMDL Group ID: **00154**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAW-N17R_PKC02A00	**Peak Creek Middle 1**	PULASKI CO	The segment begins downstream of the Washington Ave. Bridge (~0.20 miles) and extends on downstream to just below the Rt. 99 Bridge/Norfolk Southern Railway crossing of Peak Creek.

VA Overall AU Category: **5D**

Use	Impairment	1.62 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		00154	**1996**	**2004**	Category 4A. Peak Creek General Standard - Benthic (Metals) TMDL Study & Allocations U.S. EPA approved on 8/30/2004; Fed. ID 7823/7822. SWCB approved 12/02/2004.

Sources: Contaminated Sediments
Industrial/Commercial Site Stormwater Discharge (Permittted)
Sediment Resuspension (Contaminated Sediment)

TMDL Group ID: **50296**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAW-N17R_PKC01A00	**Peak Creek Lower**	PULASKI CO	This portion of Peak Creek begins just downstream of the Rt. 99/Norfolk Southern crossing extending downstream to the inundation of Peak Creek in Claytor Lake.

VA Overall AU Category: **5D**

Use	Impairment	2.84 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		50296	**2002**	**2004**	Category 4A. 12 or more Escherichia coli (E.coli) bacteria samples. Peak Creek Bacteria TMDL Study & Allocations U.S. EPA approved on 8/30/2004; Fed. ID 7824. SWCB approved 12/02/2004.

Sources: Livestock (Grazing or Feeding Operations)
Municipal (Urbanized High Density Area)
Sanitary Sewer Overflows (Collection System Failures)
Unspecified Domestic Waste
Wastes from Pets
Wildlife Other than Waterfowl

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAW-N17R_PKC03A00	**Peak Creek Middle 2**	PULASKI CO	This portion of Peak Creek extends from the mouth of Tract Fork to downstream of the Washington Ave. Bridge (~0.20 miles).

VA Overall AU Category: **5D**

Use	Impairment	0.49 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		50296	**2006**	**2004**	Category 4A. 12 or more Escherichia coli (E.coli) bacteria samples. Peak Creek Bacteria TMDL Study & Allocations U.S. EPA approved on 8/30/2004; Fed. ID 7824. SWCB approved 12/02/2004.

Sources: Livestock (Grazing or Feeding Operations)
Municipal (Urbanized High Density Area)
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)
Unspecified Domestic Waste
Wastes from Pets
Wildlife Other than Waterfowl

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

New River Basin

TMDL Watershed Name: **Peak Creek (lower and middle)**

TMDL Group ID: **40020**

VAW-N17R_PKC01A00 **Peak Creek Lower** PULASKI CO

This portion of Peak Creek begins just downstream of the Rt. 99/Norfolk Southern crossing extending downstream to the inundation of Peak Creek in Claytor Lake.

VA Overall AU Category: **5D**

Use	Impairment	2.84 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Copper**		40020	**2006**	**2004**	Category 4A. Peak Creek General Standard - Benthic (Metals) TMDL Study & Allocations U.S. EPA approved on 8/30/2004; Fed. ID 7823/7822. SWCB approved 12/02/2004.

Sources: Contaminated Sediments
Industrial/Commercial Site Stormwater Discharge (Permittted)
Sediment Resuspension (Contaminated Sediment)

VAW-N17R_PKC02A00 **Peak Creek Middle 1** PULASKI CO

The segment begins downstream of the Washington Ave. Bridge (~0.20 miles) and extends on downstream to just below the Rt. 99 Bridge/Norfolk Southern Railway crossing of Peak Creek.

VA Overall AU Category: **5D**

Use	Impairment	1.62 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Copper**		40020	**2006**	**2004**	Category 4A. Peak Creek General Standard - Benthic (Metals) TMDL Study & Allocations U.S. EPA approved on 8/30/2004; Fed. ID 7823/7822. SWCB approved 12/02/2004.

Sources: Contaminated Sediments
Industrial/Commercial Site Stormwater Discharge (Permittted)
Sediment Resuspension (Contaminated Sediment)

TMDL Group ID: **50049**

VAW-N17R_PKC01A00 **Peak Creek Lower** PULASKI CO

This portion of Peak Creek begins just downstream of the Rt. 99/Norfolk Southern crossing extending downstream to the inundation of Peak Creek in Claytor Lake.

VA Overall AU Category: **5D**

Use	Impairment	2.84 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Zinc**		50049	**2006**	**2004**	Category 4A. Peak Creek General Standard - Benthic (Metals) TMDL Study & Allocations U.S. EPA approved on 8/30/2004; Fed. ID 7823/7822. SWCB approved 12/02/2004.

Sources: Contaminated Sediments
Industrial/Commercial Site Stormwater Discharge (Permittted)
Sediment Resuspension (Contaminated Sediment)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

New River Basin

TMDL Watershed Name: **Peak Creek (lower and middle)**

TMDL Group ID: **50049**

VAW-N17R_PKC02A00 **Peak Creek Middle 1** PULASKI CO

The segment begins downstream of the Washington Ave. Bridge (~0.20 miles) and extends on downstream to just below the Rt. 99 Bridge/Norfolk Southern Railway crossing of Peak Creek.

VA Overall AU Category: **5D**

Use	Impairment	1.62 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Zinc**		50049	**2006**	**2004**	Category 4A. Peak Creek General Standard - Benthic (Metals) TMDL Study & Allocations U.S. EPA approved on 8/30/2004; Fed. ID 7823/7822. SWCB approved 12/02/2004.

Sources: Contaminated Sediments
Industrial/Commercial Site Stormwater Discharge (Permittted)
Sediment Resuspension (Contaminated Sediment)

TMDL Watershed Name: **Plum Creek**

TMDL Group ID: **01723**

VAW-N18R_PLM01A00 **Plum Creek Lower** MONTGOMERY CO

Plum Creek mainstem from its confluence with the New River upstream to the second Rt. 11 crossing of Plum Creek; end of the WQS public water supply (PWS) designation @37°07'44" / 80°30'22".

VA Overall AU Category: **5A**

Use	Impairment	1.66 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		01723	**2004**	**2016**	

Sources: Livestock (Grazing or Feeding Operations)
Municipal (Urbanized High Density Area)
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)
Unspecified Domestic Waste
Wastes from Pets
Wildlife Other than Waterfowl

VAW-N18R_PLM02A02 **Plum Creek Upper** MONTGOMERY CO

Plum Creek mainstem from the second Rt. 11 crossing of Plum Creek; end of the WQS public water supply (PWS) designation @37°07'44" / 80°30'22" upstream to its headwaters.

VA Overall AU Category: **5A**

Use	Impairment	2.84 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		01723	**2004**	**2016**	

Sources: Livestock (Grazing or Feeding Operations)
Municipal (Urbanized High Density Area)
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)
Unspecified Domestic Waste
Wastes from Pets
Wildlife Other than Waterfowl

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

New River Basin

TMDL Watershed Name: **Reed Creek**

TMDL Group ID: **00886**

VAS-N11R_RDC01B00 **Reed Creek** WYTHE CO

Lower mainstem from Muskrat Branch confluence downstream to Miller Creek confluence. Section 2, Class IV.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	5.71 MILES	00886	**2006**	**2018**	

Sources: Livestock (Grazing or Feeding Operations)

VAS-N11R_RDC02B02 **Reed Creek** WYTHE CO

Reed Ck from Beaverdam Creek downstream to the New River confluence. Section 2g, Class IV.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	6.02 MILES	00886	**2006**	**2018**	

Sources: Animal Feeding Operations (NPS)

VAS-N11R_RDC03B04 **Reed Creek** WYTHE CO

From New River confluence upstream to the Glade Creek confluence. Section 2, Class IV

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	9.75 MILES	00886	**2004**	**2016**	

Sources: Livestock (Grazing or Feeding Operations)

TMDL Group ID: **00890**

VAS-N10R_RDC01A00 **Reed Creek** WYTHE CO

Reed Creek mainstem from Venrick Run to Pine Run. Section 2g, Clss IV, PWS, designated a natural trout stream.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	1.47 MILES	00890	**2002**	**2014**	

Sources: Animal Feeding Operations (NPS)
Livestock (Grazing or Feeding Operations)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

New River Basin

TMDL Watershed Name: **Reed Creek**

TMDL Group ID: **30006**

VAS-N11R_RDC01B06 **Reed Creek** WYTHE CO

Lower mainstem from Rt 221 bridge downstream to Miller Creek confluence. Section 2, Class IV.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	0.59 MILES	30006	**2006**	**2018**	

Sources: Source Unknown

VAS-N11R_RDC02B02 **Reed Creek** WYTHE CO

Reed Ck from Beaverdam Creek downstream to the New River confluence. Section 2g, Class IV.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	6.02 MILES	30006	**2006**	**2018**	

Sources: Source Unknown

VAS-N11R_RDC03B04 **Reed Creek** WYTHE CO

From New River confluence upstream to the Glade Creek confluence. Section 2, Class IV

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	**PCB in Fish Tissue**	9.75 MILES	30006	**2006**	**2018**	

Sources: Source Unknown

TMDL Group ID: **50160**

VAS-N10R_RDC01A02 **Reed Creek** WYTHE CO

From South Fork Reed Creek confluence upstream to Stony Fork confluence. Section 2, Class IV.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	5.18 MILES	50160	**2006**	**2018**	

Sources: Livestock (Grazing or Feeding Operations)

VAS-N10R_RDC01B00 **Reed Creek** WYTHE CO

Mainstem from the Stony Fork confluenct upstream to the Gullion Fork confluence. Section 2, Class IV.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	9.75 MILES	50160	**2006**	**2018**	

Sources: Livestock (Grazing or Feeding Operations)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

New River Basin

TMDL Watershed Name: **Reed Creek, South Fork and Mill Creek**

TMDL Group ID: **50161**

VAS-N10R_MCE01A02 **Mill Creek** WYTHE CO Mainstem to Reed Creek confluence. Section 2, Class IV, designated stockable trout waters.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	6.19 MILES	50161	**2006**	**2018**	

Sources: Livestock (Grazing or Feeding Operations)

VAS-N10R_RSF01A00 **South Fork Reed Creek** WYTHE CO Mainstem from river mile 6.8 downstream to the Reed Creek confluence. Section 2, Class V ,designated stockable trout waters.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	6.72 MILES	50161	**2006**	**2018**	

Sources: Livestock (Grazing or Feeding Operations)

TMDL Watershed Name: **Rich Creek**

TMDL Group ID: **01736**

VAW-N34R_RHC01A00 **Rich Creek Lower** GILES CO Rich Creek mainstem from its mouth on the New River upstream to the Rt. 219 crossing at the Virginia/West Virginia State Line.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	2.77 MILES	01736	**2002**	**2014**	

Sources: Municipal (Urbanized High Density Area)
Unspecified Domestic Waste
Wastes from Pets
Wildlife Other than Waterfowl

TMDL Watershed Name: **Rural Retreat Lake**

TMDL Group ID: **50076**

VAS-N10L_XBL01A02 **Rural Retreat Lake** WYTHE CO Wythe County. Section 2, Class IV, designated stockable trout waters.

VA Overall AU Category: **5C**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**pH**	85.46 ACRES	50076	**2006**	**2018**	

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

New River Basin

TMDL Watershed Name: **Saddle Creek**

TMDL Group ID: **50153**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-N04R_SDL01A06	**Saddle Creek**	GRAYSON CO	A New River tributary west of Independence. Section 2, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	Impairment	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	3.09 MILES	50153	**2006**	**2018**	

Sources: Animal Feeding Operations (NPS)
Livestock (Grazing or Feeding Operations)

TMDL Watershed Name: **Shorts Creek**

TMDL Group ID: **00883**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-N08R_SRT01B04	**Shorts Creek Upper**	CARROLL CO	Section 2, Class V, designated stockable trout waters. The lower reach of Shorts Creek, enters New River at Jackson Ferry.

VA Overall AU Category: **5A**

Use	Impairment	Impairment	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	6.73 MILES	00883	**2004**	**2016**	

Sources: Grazing in Riparian or Shoreline Zones

TMDL Watershed Name: **Shorts Creek unnamed tributary**

TMDL Group ID: **50157**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-N08R_XEE01A06	**Shorts Creek unnamed tributary**	WYTHE CO	Section 2, Class IV. Enters Shorts Creek at Jackson Ferry, flows west from Rackettown.

VA Overall AU Category: **5A**

Use	Impairment	Impairment	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	3.72 MILES	50157	**2006**	**2018**	

Sources: Livestock (Grazing or Feeding Operations)

TMDL Watershed Name: **Slate Spring Branch**

TMDL Group ID: **00889**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-N09R_SPB01A04	**Slate Spring Branch**	WYTHE CO	From Cripple Creek confluence upstream to headwaters. Section 2, Class IV.

VA Overall AU Category: **5A**

Use	Impairment	Impairment	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**	5.91 MILES	00889	**2004**	**2016**	

Sources: Grazing in Riparian or Shoreline Zones

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

New River Basin

TMDL Watershed Name: **Stony Fork**

TMDL Group ID: **50162**

VAS-N10R_SFK01A02 **Stony Fork** WYTHE CO Headwaters downstream to Reed Creek confluence. Section 2, Class IV, designated stockable trout waters.

VA Overall AU Category: **5A**

Use	Impairment	6.67 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		50162	**2006**	**2018**	

Sources: Grazing in Riparian or Shoreline Zones

TMDL Watershed Name: **Stroubles Creek**

TMDL Group ID: **00133**

VAW-N22R_STE04A00 **Stroubles Creek Upper** MONTGOMERY CO These mainstem waters extend from the Walls Branch mouth upstream to the Duck Pond located on the VPI&SU Campus.

VA Overall AU Category: **5D**

Use	Impairment	4.98 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	**Benthic-Macroinvertebrate Bioassessments (Streams)**		00133	**1996**	**2004**	Category 4A. Stroubles Creek General Standard - Benthic (Sediment Fed. ID 21904) TMDL Study & Allocations US EPA approved 1/28/2004. SWCB approved 6/17/2004. VAW-N22R-02.

Sources: Discharges from Municipal Separate Storm Sewer Systems (MS4)
Livestock (Grazing or Feeding Operations)
Municipal (Urbanized High Density Area)
Sediment Resuspension (Clean Sediment)

TMDL Group ID: **50299**

VAW-N22R_STE03A00 **Stroubles Creek Middle 2** MONTGOMERY CO These mainstem waters extend from the Slate Branch mouth on Stroubles Creek upstream to the mouth of Walls Branch.

VA Overall AU Category: **5A**

Use	Impairment	2.10 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		50299	**2006**	**2014**	12 or more Escherichia coli (E.coli) bacteria samples.

Sources: Discharges from Municipal Separate Storm Sewer Systems (MS4)
Livestock (Grazing or Feeding Operations)
Municipal (Urbanized High Density Area)
Unspecified Domestic Waste
Wastes from Pets
Wildlife Other than Waterfowl

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

New River Basin

TMDL Watershed Name: **Stroubles Creek**

TMDL Group ID: **50299**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAW-N22R_STE04A00	**Stroubles Creek Upper**	MONTGOMERY CO	These mainstem waters extend from the Walls Branch mouth upstream to the Duck Pond located on the VPI&SU Campus.

VA Overall AU Category: **5D**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	4.98 MILES	50299	**2006**	**2014**	12 or more Escherichia coli (E.coli) bacteria samples.

Sources: Discharges from Municipal Separate Storm Sewer Systems (MS4)
Livestock (Grazing or Feeding Operations)
Municipal (Urbanized High Density Area)
Unspecified Domestic Waste
Wastes from Pets
Wildlife Other than Waterfowl

TMDL Watershed Name: **Tate Run**

TMDL Group ID: **50163**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-N10R_TAT01A06	**Tate Run**	WYTHE CO	From Stuffle Run confluence downstream to Reed Creek. Section 2, Class VI, designated natural trout waters, PWS.

VA Overall AU Category: **5A**

Use	Impairment		TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**	0.53 MILES	50163	**2006**	**2018**	

Sources: Livestock (Grazing or Feeding Operations)

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

New River Basin

TMDL Watershed Name: **Walker Creek**

TMDL Group ID: **50300**

VAW-N25R_WLK01A00 **Walker Creek Lower** GILES CO Walker Creek mainstem waters from its mouth on the New River upstream to the Cecil Branch confluence at the Rt. 100 crossing.

VA Overall AU Category: **5A**

Use	Impairment	8.55 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		50300	**2006**	**2018**	
		Sources:	Livestock (Grazing or Feeding Operations) On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems) Unspecified Domestic Waste Wildlife Other than Waterfowl			
Recreation	**Fecal Coliform**		50300	**2006**	**2018**	
		Sources:	Livestock (Grazing or Feeding Operations) On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems) Unspecified Domestic Waste Wildlife Other than Waterfowl			

VAW-N25R_WLK02A00 **Walker Creek Lower 1** GILES CO Walker Creek mainstem waters from the Cecil Branch confluence at the Rt. 100 crossing upstream to Little Walker Creek's confluence with Walker Creek.

VA Overall AU Category: **5A**

Use	Impairment	8.75 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		50300	**2006**	**2018**	
		Sources:	Livestock (Grazing or Feeding Operations) On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems) Unspecified Domestic Waste Wildlife Other than Waterfowl			
Recreation	**Fecal Coliform**		50300	**2006**	**2018**	
		Sources:	Livestock (Grazing or Feeding Operations) On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems) Unspecified Domestic Waste Wildlife Other than Waterfowl			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

New River Basin

TMDL Watershed Name: **Walker Creek**

TMDL Group ID: **50300**

VAW-N25R_WLK03A00 **Walker Creek Middle** GILES CO Walker Creek mainstem from the mouth of Little Walker Creek upstream to Kimberling Creeks confluence with Walker Creek.

VA Overall AU Category: **5A**

Use	Impairment	17.68 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		50300	**2006**	**2018**	
		Sources:	Livestock (Grazing or Feeding Operations) On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems) Unspecified Domestic Waste Wildlife Other than Waterfowl			
Recreation	**Fecal Coliform**		50300	**2006**	**2018**	
		Sources:	Livestock (Grazing or Feeding Operations) On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems) Unspecified Domestic Waste Wildlife Other than Waterfowl			

VAW-N25R_WLK04A00 **Walker Creek Upper** BLAND CO
GILES CO Walker Creek mainstem from Kimberling Creek's mouth upstream to the Rt. 52 crossing.

VA Overall AU Category: **5A**

Use	Impairment	33.11 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		50300	**2006**	**2018**	
		Sources:	Livestock (Grazing or Feeding Operations) On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems) Unspecified Domestic Waste Wildlife Other than Waterfowl			
Recreation	**Fecal Coliform**		50300	**2006**	**2018**	
		Sources:	Livestock (Grazing or Feeding Operations) On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems) Unspecified Domestic Waste Wildlife Other than Waterfowl			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

New River Basin

TMDL Watershed Name: **Wilson Creek**

TMDL Group ID: **00873**

VAS-N02R_WLS01A98	Wilson Creek	GRAYSON CO	Wilson Creek mainstem from New River confluence upstream 8.8 miles. Section 2, Class VI, designated natural trout waters.

VA Overall AU Category: **5A**

Use	Impairment	8.82 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		00873	**2004**	**2016**	
		Sources:	Livestock (Grazing or Feeding Operations)			

TMDL Watershed Name: **Wolf Creek**

TMDL Group ID: **00894**

VAS-N30R_WFC01A00	Wolf Creek	BLAND CO	Mainstem from unnamed trib downstream of Carter Branch downstream to the Hunting Camp Ck confluence. Section 1, Class IV, designated stockable trout waters.

VA Overall AU Category: **5A**

Use	Impairment	8.99 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00894	**2006**	**2014**	
		Sources:	Grazing in Riparian or Shoreline Zones			
Recreation	**Fecal Coliform**		00894	**2002**	**2014**	
		Sources:	Grazing in Riparian or Shoreline Zones Livestock (Grazing or Feeding Operations)			

VAS-N30R_WFC01A04	Wolf Creek	BLAND CO TAZEWELL CO	From Burkes Garden Creek confluence downstream to unnamed tributary downstream of Carter Branch. Section 1, Class V, designated stockable trout waters, DGIF ***.

VA Overall AU Category: **5A**

Use	Impairment	7.97 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00894	**2006**	**2014**	
		Sources:	Grazing in Riparian or Shoreline Zones			

VAS-N30R_WFC01A06	Wolf Creek headwaters	TAZEWELL CO	Last segment of Burkes Garden drainage downstream to 37.1484/-81.2483. Section 1, Class VI, designated natural trout waters.

VA Overall AU Category: **5A**

Use	Impairment	3.64 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00894	**2006**	**2018**	
		Sources:	Animal Feeding Operations (NPS)			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

New River Basin

TMDL Watershed Name: **Wolf Creek**

TMDL Group ID: **00894**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAS-N30R_WFC01B06	**Wolf Creek**	BLAND CO TAZEWELL CO	Lower segment of the mainstem downstream of the Hunting Camp Creek confluence. Section 1, Class VI, designated natural trout waters.

VA Overall AU Category: **5A**

Use	Impairment	6.30 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		00894	**2006**	**2014**	

Sources: Grazing in Riparian or Shoreline Zones

TMDL Group ID: **01735**

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description
VAW-N32R_WFC01A00	**Wolf Creek Lower 1**	GILES CO	Wolf Creek mainstem from its mouth on the New River upstream to the former Narrows STP outfall on Wolf Creek.

VA Overall AU Category: **5A**

Use	Impairment	0.43 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		01735	**2006**	**2016**	

Sources: Livestock (Grazing or Feeding Operations)
Municipal (Urbanized High Density Area)
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)
Unspecified Domestic Waste
Wastes from Pets
Wildlife Other than Waterfowl

Use	Impairment	0.43 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Fecal Coliform**		01735	**2004**	**2016**	

Sources: Livestock (Grazing or Feeding Operations)
Municipal (Urbanized High Density Area)
On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)
Unspecified Domestic Waste
Wastes from Pets
Wildlife Other than Waterfowl

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

New River Basin

TMDL Watershed Name: **Wolf Creek**

TMDL Group ID: **01735**

VAW-N32R_WFC02A00 **Wolf Creek Lower 2** GILES CO Wolf Creek mainstem from the former Narrows STP outfall upstream to an unnamed bridge crossing Wolf Creek.

VA Overall AU Category: **5A**

Use	Impairment	5.08 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		01735	**2006**	**2016**	
		Sources:	Livestock (Grazing or Feeding Operations) Municipal (Urbanized High Density Area) On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems) Unspecified Domestic Waste Wastes from Pets Wildlife Other than Waterfowl			
Recreation	**Fecal Coliform**		01735	**2004**	**2016**	
		Sources:	Livestock (Grazing or Feeding Operations) Municipal (Urbanized High Density Area) On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems) Unspecified Domestic Waste Wastes from Pets Wildlife Other than Waterfowl			

TMDL Group ID: **50303**

VAW-N32R_WFC03A00 **Wolf Creek Middle** GILES CO Wolf Creek mainstem waters from an unnamed bridge upstream to Bland/Giles County Line.

VA Overall AU Category: **5A**

Use	Impairment	8.61 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		50303	**2006**	**2018**	This AU is an addition to the 2004 Listed VAW-N32R-01 impairment.
		Sources:	Livestock (Grazing or Feeding Operations) On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems) Unspecified Domestic Waste Wastes from Pets Wildlife Other than Waterfowl			

Appendix A - List of Impaired (Category 5) Waters in 2006*

Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description

New River Basin

TMDL Watershed Name: **Wolf Creek**

TMDL Group ID: **50303**

VAW-N32R_WFC04A00	Wolf Creek Upper	BLAND CO	Wolf Creek mainstem waters from the Bland/Giles County Line upstream to The confluence of Clear Fork Creek.

VA Overall AU Category: **5A**

Use	Impairment	7.77 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	**Escherichia coli**		50303	**2006**	**2018**	This AU is an addition to the 2004 Listed VAW-N32R-01 impairment.

Sources:
- Livestock (Grazing or Feeding Operations)
- Municipal (Urbanized High Density Area)
- On-site Treatment Systems (Septic Systems and Similar Decencentralized Systems)
- Unspecified Domestic Waste
- Wastes from Pets
- Wildlife Other than Waterfowl

Note: * Includes Category 4A and 4C Impairments within each Assessment Unit. Assessment Units may extend across jurisdictional boundaries.