# DEQ Sediment Samples
# Summary Metals Data - 2000 results

| DEQ site # | Sampling Date | DEQ rivermile | Stream name/location/description | Latitude | Longitude | % TOC[2] | Analyte[3] Sample | % Al | ppm[1] (dry weight basis) Ag | As | Cd | Cr | Cu | Hg | Ni | Pb | Sb | Se | Tl | Zn |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **NOAA's Effects Range-Median** | **ER-M** | **>>>>>>>>>>>>** | **>>>>>** | | ****** | **3.7** | **70** | **9.6** | **370** | **270** | **0.71** | **51.6** | **223** | ****** | ****** | ****** | **410** |
| | | | **NOAA's Effects Range-Low** | **ER-L** | **>>>>>>>>>>>>** | **>>>>>** | | ****** | **1** | **8.2** | **1.2** | **81** | **34** | **0.15** | **20.9** | **46.7** | ****** | ****** | ****** | **150** |
| | | | **YORK RIVER BASIN STATIONS** | | | | | | | | | | | | | | | | | |
| 1 | 06/01/00 | 8-YRK016.57 | York River near Carter Creek | N37 21.353' | W76 38.176' | 2.32 | 1-YRK | 1.4 | <0.02 | 2.8 | 0.3 | 38 | 83 | 0.22 | 19 | 27 | <0.5 | <0.5 | <0.3 | 121 |
| 2 | 05/04/00 | 8-ELK006.30 | Elk Creek | N38 00.707' | W77 49.316 | 2.24 | 2-ELK | 0.55 | <0.02 | 1.3 | 0.054 | 13 | 74 | 0.11 | 2.0 | 8.2 | <0.5 | <0.5 | <0.3 | 19 |
| 3 | 08/30/00 | 8-GMC001.43 | Goldmine Creek arm of Lake Anna | N38 06.262' | W77 57.373' | 1.76 | 3-GMC | 0.94 | <0.02 | 2.3 | 0.040 | 24 | 58 | 0.11 | 11 | 10 | <0.5 | <0.5 | <0.3 | 39 |
| 4 | 06/14/00 | 8-KNG000.18 | King Creek near York River | N37 16.662' | W76 35.046' | 2.18 | 4-KNG | 1.3 | <0.02 | <0.5 | 0.16 | 41 | 36 | 0.19 | 19 | 29 | <0.5 | <0.5 | <0.3 | 101 |
| 5 | 05/17/00 | 8-NAR034.92 | Lake Anna at Dam | N38 00.862' | W77 42.771' | 0.25 | 5-NAR | 0.72 | <0.02 | 0.85 | <0.01 | 20 | 17 | 0.038 | 6.7 | 4.3 | <0.5 | <0.5 | <0.3 | 13 |
| 6 | 07/18/00 | 8-LTL009.54 | Little River at Rt.685 | N37 52.353' | W77 30.815' | 2.55 | 6-LTL | 1.0 | <0.02 | 0.79 | 0.039 | 25 | 33 | 0.043 | 12 | 8.6 | <0.5 | <0.5 | <0.3 | 38 |
| 7 | 07/18/00 | 8-MAR004.41 | Maracossic Creek at Rt. 646 | N37 55.268' | W77 11.483' | 0.93 | 7-MAR | 0.25 | <0.02 | 1.4 | 0.073 | 13 | 19 | 0.012 | 2.2 | 4.5 | <0.5 | <0.5 | <0.3 | 3.2 |
| 8 | 08/01/00 | 8-MTA001.69 | Matta River at Rt. 632 | N38 06.168' | W77 28.854' | 0.56 | 8-MTA | 0.49 | <0.02 | 1.1 | 0.045 | 14 | 16 | 0.025 | 5.2 | 4.3 | <0.5 | <0.5 | <0.3 | 16 |
| 9 | 05/16/00 | 8-MCP002.42 | Mechumps Creek at Rt. 301 Bridge | N37 45.527' | W77 21.855' | 0.86 | 9-MCP | 0.22 | <0.02 | <0.5 | 0.056 | 13 | 20 | 0.021 | 1.9 | 5.5 | <0.5 | <0.5 | <0.3 | <1 |
| 10 | 09/06/00 | 8-NIR009.61 | Ni River at Rt. 208 | N38 13.067' | W77 34.182' | 1.23 | 10A-NIR | 1.1 | 0.040 | 7.1 | 0.10 | 24 | 84 | 0.070 | 5.7 | 15 | <0.5 | <0.5 | <0.3 | 41 |
| 10B | 09/06/00 | 8-NIR009.61 | Ni River at Rt. 208 | N38 13.067' | W77 34.182' | 2.30 | 10B-NIR | 0.95 | 0.040 | 7.6 | 0.10 | 18 | 61 | 0.076 | 0.60 | 15 | <0.5 | <0.5 | <0.3 | 37 |
| 11 | 10/06/00 | 8-NAR001.07 | North Anna below Doswell STP | N37 49.526' | W77 25.550' | 0.64 | 11A-NAR | 0.83 | 0.089 | 4.4 | 0.35 | 20 | 67 | 0.12 | 4.4 | 19 | <0.5 | <0.5 | <0.3 | 125 |
| 11B | 10/06/00 | 8-NAR001.07 | North Anna below Doswell STP | N37 49.526' | W77 25.550' | 0.86 | 11B-NAR | 0.70 | 0.10 | 6.0 | 0.42 | 28 | 48 | 0.085 | 7.0 | 22 | <0.5 | <0.5 | <0.3 | 140 |
| 12 | 05/11/00 | 8-CON003.84 | Contrary Creek at Lake Anna | N38 03.803' | W77 51.464' | 2.32 | 12-CON | 0.78 | 2.4 | 1.0 | 0.95 | 24 | **554** | 0.36 | 2.0 | 220 | <0.5 | <0.5 | <0.3 | **464** |
| 13 | 07/20/00 | 8-PMC009.85 | Pamunkey Creek at Rt.651 | N38 009.85' | W77 57.020' | 2.17 | 13-PMC | 1.3 | <0.02 | 2.5 | <0.01 | 44 | 65 | 0.13 | 19 | 11 | <0.5 | <0.5 | <0.3 | 34 |
| 14 | 05/31/00 | 8-PMK032.00 | Pamunkey River near Lester Manor | N37 34.151' | W77 01.289' | 4.07 | 14-PMK | 0.96 | 0.30 | <0.5 | 0.90 | 35 | 67 | 0.28 | 15 | 34 | <0.5 | <0.5 | <0.3 | **460** |
| 15 | 07/27/00 | 8-PMK006.36 | Pamunkey River upstream West Point | N37 31.56' | W76 52.20' | 2.09 | 15-PMK | 1.3 | <0.02 | <0.5 | 0.29 | 34 | 43 | 0.28 | 44 | 24 | <0.5 | <0.5 | <0.3 | 95 |
| 16 | 08/03/00 | 8-PMK088.11 | Pamunkey River at Rt. 301 | N37 47.325' | W77 22.223' | 0.51 | 16-PMK | 0.87 | <0.02 | <0.5 | 0.12 | 20 | 32 | 0.056 | 7.5 | 8.5 | <0.5 | <0.5 | <0.3 | 52 |
| 17 | 05/04/00 | 8-RCK000.93 | Rock Creek | N37 58.857' | W77 45.440' | 1.76 | 17-RCK | 0.32 | <0.02 | 1.2 | 0.034 | 15 | 28 | 0.041 | 4.9 | 6.5 | <0.5 | <0.5 | <0.3 | 27 |
| 18 | 05/18/00 | 8-SAR044.05 | South Anna River at Rt. 610 | N37 47.548' | W77 49.832' | 1.67 | 18-SAR | 0.80 | <0.02 | 2.3 | <0.01 | 32 | 19 | 0.038 | 10 | 5.1 | <0.5 | <0.5 | <0.3 | 19 |
| 19 | 05/18/00 | 8-SAR099.84 | South Anna River at Rt. 603 (Gordonsville) | N38 07.002' | W78 11.895' | 1.85 | 19-SAR | 0.85 | 0.33 | 3.1 | <0.01 | 26 | 16 | 0.069 | 7.3 | 10 | <0.5 | <0.5 | <0.3 | 36 |
| 20 | 07/19/00 | 8-STH004.37 | South River at Rt. 638 | N38 03.148' | W77 26.368' | 3.96 | 20-STH | 0.83 | <0.02 | 0.88 | 0.62 | 19 | 37 | 0.087 | 10 | 7.8 | <0.5 | <0.5 | <0.3 | 75 |
| 21 | 06/15/00 | 8-WOR000.35 | Wormley Creek at Amoco, Yorktown | N37 12.696' | W76 28.153' | 1.75 | 21-WOR | 1.2 | <0.02 | 1.5 | 0.25 | 39 | 45 | 0.20 | 14 | 3.0 | <0.5 | <0.5 | <0.3 | 89 |
| 22 | 06/06/00 | 8-YRK031.37 | York River near West Point | N37 30.409' | W76 47.466' | 3.25 | 22-YRK | 1.6 | <0.02 | 2.0 | 0.25 | 41 | 43 | 0.17 | 21 | 32 | <0.5 | <0.5 | <0.3 | 126 |
| 23 | 07/06/00 | 8-YRK005.93 | York River at Rt. 17 Bridge | N37 14.573' | W76 30.393' | 1.84 | 23-YRK | 1.3 | <0.02 | 1.1 | 0.40 | 41 | 33 | 0.11 | 20 | 24 | <0.5 | <0.5 | <0.3 | 81 |
| 24 | 07/31/00 | 8-FEL001.24 | Felgates Creek at Felgates Road | N37 15.543' | W76 34.642' | 1.92 | 24-FEL | 1.6 | 0.74 | 2.9 | 0.28 | 37 | 27 | 0.15 | 17 | 27 | <0.5 | <0.5 | <0.3 | 65 |
| | | | **NEW RIVER BASIN STATIONS** | | | | | | | | | | | | | | | | | |
| 25 | 06/21/00 | 9-BCK009.47 | Back Creek at Rt. 100 | N37 10.021' | W80 42.136' | 1.65 | 25-BCK | 0.40 | <0.02 | 1.3 | 0.06 | 16 | 21 | 0.047 | 11 | 9.6 | <0.5 | <0.5 | <0.3 | 19 |
| 26 | 08/17/00 | 9-BST021.26 | Bluestone River at Rt. 643 Falls Mills | N37 17.389' | W81 18.776' | 1.65 | 26-BST | 0.40 | 0.57 | 1.9 | 0.17 | 15 | 53 | 0.10 | 10 | 70 | <0.5 | <0.5 | <0.3 | 95 |
| 27 | 08/17/00 | 9-BST029.71 | Bluestone River at Rt. 460 Bluefield | N37 14.121' | W81 17.405' | 2.88 | 27-BST | 0.58 | <0.02 | <0.5 | 0.26 | 18 | 28 | 0.12 | 13 | 27 | <0.5 | <0.5 | <0.3 | 62 |
| 28 | 06/20/00 | 9-CBC006.35 | Crab Creek at Rt. 660 Bridge | N37 09.440' | W80 28.263' | 5.24 | 28-CBC | 0.97 | 0.33 | 2.7 | 0.20 | 17 | 28 | 0.15 | 12 | 30 | <0.5 | <0.5 | <0.3 | 41 |
| 29 | 08/15/00 | 9-CST002.64 | Chestnut Creek at Rt. 793 Bridge | N36 44.312' | W80 56.866' | 0.85 | 29-CST | 0.80 | 0.58 | <0.5 | 0.093 | 18 | 33 | 0.030 | 13 | 15 | <0.5 | <0.5 | <0.3 | 56 |
| 30 | 06/19/00 | 9-DDD002.62 | Dodd Creek at Rt. 696 Bridge | N36 55.171' | W80 20.723' | 2.34 | 30-DDD | 0.93 | 0.42 | <0.5 | 0.087 | 32 | 27 | 0.038 | 13 | 7.0 | <0.5 | <0.5 | <0.3 | 54 |
| 31 | 08/14/00 | 9-GLD000.24 | Glade Creek near Wytheville Fish Cultural Station | N36 55.947' | W80 53.939' | 2.63 | 31-GLD | 0.71 | 0.28 | <0.5 | 0.23 | 29 | 27 | 0.064 | 18 | 10 | <0.5 | <0.5 | <0.3 | 99 |
| 32 | 08/16/00 | 9-HCC001.40 | Hunting Camp Creek near Bastian | N37 09.170' | W81 09.201' | 1.44 | 32-HCC | 0.69 | 0.35 | 9.3 | 0.43 | 30 | 37 | 0.070 | 14 | 34 | <0.5 | <0.5 | <0.3 | 120 |
| 33 | 09/13/00 | 9-LRR001.39 | Laurel Fork near VA-WV line | N37 18.671' | W81 20.119' | 7.07 | 33A-LRR | 0.35 | 0.09 | 6.2 | 0.25 | 13 | 66 | 0.13 | 20 | 49 | <0.5 | 0.58 | <0.3 | 114 |
| 33B | 09/13/00 | 9-LRR001.39 | Laurel Fork near VA-WV line | N37 18.671' | W81 20.119' | 2.79 | 33B-LRR | 0.40 | 0.090 | 7.1 | 0.29 | 13 | 62 | 0.15 | 24 | 46 | <0.5 | <0.5 | <0.3 | 118 |
| 34 | 06/20/00 | 9-MLC005.44 | Mill Creek near Riner at Rt. 8 | N37 03.268' | W80 26.407' | 3.53 | 34-MLC | 0.88 | 0.33 | 4.9 | 0.093 | 26 | 33 | 0.067 | 41 | 17 | <0.5 | <0.5 | <0.3 | 51 |
| 35 | 07/11/00 | 9-NEW030.15 | New River near Glen Lyn at Rt. 460 | N37 22.337' | W80 51.693' | 0.93 | 35-NEW | 0.58 | 0.55 | 6.6 | 0.30 | 19 | 24 | 0.052 | 7.4 | 80 | <0.5 | <0.5 | <0.3 | 279 |
| 36 | 07/11/00 | 9-NEW066.90 | New River at Whitethorne | N37 11.891' | W80 33.800' | 0.90 | 36-NEW | 0.81 | 0.71 | <0.5 | 0.57 | 22 | 26 | 0.047 | 9.2 | 91 | <0.5 | <0.5 | <0.3 | 146 |
| 37 | 07/10/00 | 9-NEW079.19 | New River below Radford University | N37 08.538' | W80 32.567' | 1.14 | 37-NEW | 1.1 | 0.59 | 1.5 | 0.35 | 22 | 22 | 0.069 | 11 | 114 | <0.5 | <0.5 | <0.3 | 134 |
| 38 | 09/11/00 | 9-NEW088.86 | New River Claytor Lake at Dam | N37 04.468' | W80 35.272' | 0.34 | 38-NEW | 0.41 | 0.08 | <0.5 | 0.036 | 14 | 42 | 0.042 | 9.0 | 9.4 | <0.5 | <0.5 | <0.3 | 28 |

# DEQ Sediment Samples
# Summary Metals Data - 2000 results

| DEQ site # | Sampling Date | DEQ rivermile | Stream name/location/description | Latitude | Longitude | % TOC[2] | Analyte[3] Sample | % Al | ppm[1] (dry weight basis) Ag | As | Cd | Cr | Cu | Hg | Ni | Pb | Sb | Se | Tl | Zn |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **NOAA's Effects Range-Median** | **ER-M** | **>>>>>>>>>>** | **>>>>>** | | ****** | **3.7** | **70** | **9.6** | **370** | **270** | **0.71** | **51.6** | **223** | ****** | ****** | ****** | **410** |
| | | | **NOAA's Effects Range-Low** | **ER-L** | **>>>>>>>>>>** | **>>>>>** | | ****** | **1** | **8.2** | **1.2** | **81** | **34** | **0.15** | **20.9** | **46.7** | ****** | ****** | ****** | **150** |
| 39B | 09/12/00 | 9-NEW105.05 | New River Claytor Lake near Hiwassee | N36 57.736' | W80 43.144' | 4.96 | 39A-NEW | 1.3 | 0.29 | 7.6 | 0.85 | 69 | 71 | 0.15 | 39 | 109 | <0.5 | <0.5 | <0.3 | **505** |
| 39 | 09/12/00 | 9-NEW105.05 | New River Claytor Lake near Hiwassee | N36 57.736' | W80 43.144' | 5.19 | 39B-NEW | 1.3 | 0.33 | <0.5 | 0.860 | 69 | 70 | 0.16 | 33 | 110 | <0.5 | <0.5 | <0.3 | **481** |
| 40 | 09/12/00 | 9-PKC004.65 | Peak Creek near Claytor Lake | N37 02.883' | W80 42.457' | 2.60 | 40A-PKC | 0.79 | 0.86 | 9.0 | 1.2 | 44 | **326** | 0.23 | 29 | 153 | <0.5 | <0.5 | <0.3 | **894** |
| 40B | 09/12/00 | 9-PKC004.65 | Peak Creek near Claytor Lake | N37 02.883' | W80 42.457' | 3.98 | 40B-PKC | 1.0 | 0.85 | 10 | 0.30 | 23 | **327** | 0.21 | 30 | 155 | <0.5 | <0.5 | <0.3 | **886** |
| 41 | 09/13/00 | 9-PKC007.82 | Peak Creek at Rt. 99 Bridge | N37 02.518' | W80 44.496' | 3.43 | 41-PKC | 0.79 | 1.1 | 2.0 | 0.89 | 34 | **362** | 0.24 | 20 | 194 | <0.5 | <0.5 | <0.3 | **1104** |
| 42 | 08/15/00 | 9-RDC009.00 | Reed Creek at Rt. 619 Grahams Forge | N36 56.359' | W80 53.219' | 4.84 | 42-RDC | 0.68 | 0.85 | 4.8 | 0.28 | 22 | 28 | 0.060 | 11 | 23 | <0.5 | <0.5 | <0.3 | 110 |
| 43 | 07/13/00 | 9-NEW158.40 | New River at Rt. 93 | N36 35.119' | W81 18.836' | 0.71 | 43-NEW | 1.0 | 0.23 | <0.5 | 0.060 | 28 | 29 | 0.034 | 15 | 6.3 | <0.5 | <0.5 | <0.3 | 59 |
| 44 | 07/13/00 | 9-NEW176.85 | New River at Rt. 58 | N36 36.841 | W81 02.815 | 2.46 | 44-NEW | 1.8 | 0.51 | 2.0 | 0.12 | 41 | 38 | 0.086 | **72** | 17 | <0.5 | <0.5 | <0.3 | 97 |
| 45 | 06/22/00 | 9-RIC000.50 | Reed Island Creek | N36 55.626' | W80 44.811' | 2.05 | 45-RIC | 1.5 | 0.22 | <0.5 | 0.043 | 30 | 30 | 0.044 | 13 | 7.9 | <0.5 | <0.5 | <0.3 | 71 |
| 46 | 06/21/00 | 9-SNC000.20 | Stony Creek at Norcross | N37 21.110' | W80 41.829' | 1.83 | 46-SNC | 0.60 | 0.40 | 12 | 0.37 | 19 | 21 | 0.021 | 27 | 32 | <0.5 | <0.5 | <0.3 | 136 |
| 47 | 06/20/00 | 9-STE002.41 | Stroubles Creek Rt.659 Bridge | N37 11.086' | W80 31.027' | 4.29 | 47-STE | 0.83 | 2.0 | 3.6 | 0.14 | 20 | 33 | 0.13 | 18 | 22 | <0.5 | <0.5 | <0.3 | 100 |
| 48 | 08/16/00 | 9-WFC003.69 | Wolf Creek at Rt. 724 Bridge | N37 18.362' | W80 50.992' | 5.59 | 48-WFC | 0.55 | 0.59 | 3.9 | 0.64 | 20 | 27 | 0.079 | 23 | **3203** | <0.5 | <0.5 | <0.3 | 189 |
| | | | **JAMES RIVER BASIN FOLLOW-UP STATIONS** | | | | | | | | | | | | | | | | | |
| 63 | 08/22/00 | 2-XXX-63 | Tidewater CC-Sulfolk TCC Lake near Dam | N36 54.186' | W76 25.663' | 11.2 | 63A-2XXX | 0.82 | 0.65 | 4.4 | 0.95 | 23 | 46 | 0.53 | 19 | 64 | <0.5 | <0.5 | <0.3 | 295 |
| 63B | 08/22/00 | 2-XXX-63B | Tidewater CC-Sulfolk TCC Lake - Upper Lake | N36 54.026' | W76 25.724' | 0.56 | 63B-2XXX | 0.37 | 0.15 | 1.6 | <0.01 | 14 | 12 | 0.021 | <0.01 | 8.5 | <0.5 | <0.5 | <0.3 | 12 |
| 64 | 08/23/00 | 2-XXX-64 | Tidewater CC-Sulfolk J Lake near Dam | N36 54.012' | W76 25.200' | 12.9 | 64-2XXX | 0.73 | 0.93 | <0.5 | 0.7 | 21 | 54 | 0.29 | 6.6 | 63 | <0.5 | <0.5 | <0.3 | 145 |
| 65 | 06/07/00 | 2-DEC000.54 | Deep Creek near I-64 | N36 45.758' | W76 18.482' | 4.66 | 65-DEC | 0.78 | 1.3 | <0.5 | 0.86 | 34 | 96 | 0.33 | 17 | 66 | <0.5 | <0.5 | <0.3 | 228 |
| | | | **CHESAPEAKE BAY, ATLANTIC OCEAN & SMALL COASTAL STREAM BASIN FOLLOW-UP STATIONSS** | | | | | | | | | | | | | | | | | |
| 66 | 06/27/00 | 7-BAG001.92 | Bagwell Creek | N37 48.138' | W75 41.606' | 2.86 | 66-BAG | 1.0 | 0.65 | <0.5 | 0.24 | 19 | 34 | 0.083 | 4.0 | 7.6 | <0.5 | <0.5 | <0.3 | 69 |
| 67 | 06/12/00 | 7-DRN003.40 | Dragon Swamp | N37 35.181' | W76 36.159' | 4.83 | 67-DRW | 2.8 | 0.21 | <0.5 | 0.41 | 19 | 18 | 0.066 | 0.12 | 6.6 | <0.5 | <0.5 | <0.3 | 36 |
| 68 | 06/26/00 | 7-CHE-68 | Chesapeake Bay - Near Kiptopeke St. Park | N37 09.920' | W75 59.182' | 0.65 | 68-CHE | 0.77 | 0.28 | 5.2 | 0.06 | 26 | 20 | 0.074 | 7.7 | 6.4 | <0.5 | <0.5 | <0.3 | 37 |
| | | | **POTOMAC RIVER BASIN FOLLOW-UP STATIONS** | | | | | | | | | | | | | | | | | |
| 69 | 05/25/00 | 1AHUT000.01 | Hunting Creek | N38 47.375' | W77 03.047' | 0.94 | 69-HUT | 0.69 | 1.6 | <0.5 | 0.25 | 21 | 52 | 0.13 | 5.3 | 29 | <0.5 | <0.5 | <0.3 | 74 |
| 70 | 05/30/00 | 1ALIF000.19 | Little Hunting Creek | N38 42.783' | W77 04.434' | 2.25 | 70-LIF | 1.0 | 1.7 | 2.3 | 0.30 | 28 | 55 | 0.10 | 22 | 36 | <0.5 | <0.5 | <0.3 | 102 |
| 71 | 05/23/00 | 1APOH000.32 | Pohick Creek | N38 40.835' | W77 10.087' | 2.42 | 71-POH | 1.7 | 1.2 | 5.3 | 0.46 | 30 | 66 | 0.52 | 26 | 56 | <0.5 | <0.5 | <0.3 | 158 |
| 72 | 05/24/00 | 1ANEA000.57 | Neabsco Creek | N38 36.024' | W77 15.417' | 3.16 | 72-NEA | 1.5 | 0.59 | 15 | 0.49 | 46 | 77 | 0.18 | 34 | 44 | <0.5 | <0.5 | <0.3 | 153 |
| 73 | 05/22/00 | 1APOM001.04 | Potomac Creek | N38 20.809' | W77 18.261' | 3.94 | 73-POM | 1.1 | 0.71 | 10 | 0.60 | 38 | 48 | 0.27 | 27 | 35 | <0.5 | <0.5 | <0.3 | 109 |
| | | | **LEVISA FORK FOLLOW-UP STATIONS** | | | | | | | | | | | | | | | | | |
| 84 | 10/03/00 | 6ALEV131.14 | Levisa Fork just upstream Conaway Creek | N37 21.137' | W82 12.516' | 4.78 | 84-LEV | 0.76 | 0.45 | 14 | 0.43 | 26 | 56 | 0.044 | 46 | 16 | <0.5 | <0.5 | <0.3 | 141 |

NOTES:

[1] **ppm** parts per million (mg/kg or ug/g) dry weight basis

[2] **TOC** Total Organic Carbon

[3] **Analyte**

| | | | | | |
|---|---|---|---|---|---|
| **Al** | Aluminum | **Cu** | Copper | **Sb** | Antimony |
| **Ag** | Silver | **Hg** | Mercury | **Se** | Selenium |
| **As** | Arsenic | **Ni** | Nickel | **Tl** | Thallium |
| **Cd** | Cadmium | **Pb** | Lead | **Zn** | Zinc |
| **Cr** | Chromium | | | | |

****** no data available for either ER-L or ER-M

# DEQ Sediment Samples
# Summary Metals Data - 2000 results

| DEQ site # | Sampling Date | DEQ rivermile | Stream name/location/description | Latitude | Longitude | % TOC[2] | Analyte[3] Sample | % Al | ppm[2] (dry weight basis) Ag | As | Cd | Cr | Cu | Hg | Ni | Pb | Sb | Se | Tl | Zn |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **NOAA's Effects Range-Median** | **ER-M** | **>>>>>>>>>>** | **>>>>>** | | ****** | **3.7** | **70** | **9.6** | **370** | **270** | **0.71** | **51.6** | **223** | ****** | ****** | ****** | **410** |
| | | | **NOAA's Effects Range-Low** | **ER-L** | **>>>>>>>>>>** | **>>>>>** | | ****** | **1** | **8.2** | **1.2** | **81** | **34** | **0.15** | **20.9** | **46.7** | ****** | ****** | ****** | **150** |

## Samples that exceeded ER-M for Copper (Cu)

| | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | **Cu** | | | | | | | |
| 12 | 05/11/00 | 8-CON003.84 | Contrary Creek at Lake Anna | N38 03.803' | W77 51.464' | 2.32 | 12-CON | 0.78 | 2.4 | 1.0 | 0.95 | 24 | **554** | 0.36 | 2.0 | 220 | <0.5 | <0.5 | <0.3 | **464** |
| 40 | 09/12/00 | 9-PKC004.65 | Peak Creek near Claytor Lake | N37 02.883' | W80 42.457' | 2.60 | 40A-PKC | 0.79 | 0.86 | 9.0 | 1.2 | 44 | **326** | 0.23 | 29 | 153 | <0.5 | <0.5 | <0.3 | **894** |
| 40B | 09/12/00 | 9-PKC004.65 | Peak Creek near Claytor Lake | N37 02.883' | W80 42.457' | 3.98 | 40B-PKC | 1.0 | 0.85 | 10 | 0.30 | 23 | **327** | 0.21 | 30 | 155 | <0.5 | <0.5 | <0.3 | **886** |
| 41 | 09/13/00 | 9-PKC007.82 | Peak Creek at Rt. 99 Bridge | N37 02.518' | W80 44.496' | 3.43 | 41-PKC | 0.79 | 1.1 | 2.0 | 0.89 | 34 | **362** | 0.24 | 20 | 194 | <0.5 | <0.5 | <0.3 | **1104** |

## Samples that exceeded ER-M for Nickel (Ni)

| | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | **Ni** | | | | | |
| 44 | 07/13/00 | 9-NEW176.85 | New River at Rt. 58 | N36 36.841 | W81 02.815 | 2.46 | 44-NEW | 1.8 | 0.51 | 2.0 | 0.12 | 41 | 38 | 0.086 | **72** | 17 | <0.5 | <0.5 | <0.3 | 97 |

## Samples that exceeded ER-M for Lead (Pb)

| | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | **Pb** | | | | |
| 48 | 08/16/00 | 9-WFC003.69 | Wolf Creek at Rt. 724 Bridge | N37 18.362' | W80 50.992' | 5.59 | 48-WFC | 0.55 | 0.59 | 3.9 | 0.64 | 20 | 27 | 0.079 | 23 | **3203** | <0.5 | <0.5 | <0.3 | 189 |

## Samples that exceeded ER-M for Zinc (Zn)

| | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | **Zn** |
| 12 | 05/11/00 | 8-CON003.84 | Contrary Creek at Lake Anna | N38 03.803' | W77 51.464' | 2.32 | 12-CON | 0.78 | 2.4 | 1.0 | 0.95 | 24 | **554** | 0.36 | 2.0 | 220 | <0.5 | <0.5 | <0.3 | **464** |
| 14 | 05/31/00 | 8-PMK032.00 | Pamunkey River near Lester Manor | N37 34.151' | W77 01.289' | 4.07 | 14-PMK | 0.96 | 0.30 | <0.5 | 0.90 | 35 | 67 | 0.28 | 15 | 34 | <0.5 | <0.5 | <0.3 | **460** |
| 39B | 09/12/00 | 9-NEW105.05 | New River Claytor Lake near Hiwassee | N36 57.736' | W80 43.144' | 4.96 | 39A-NEW | 1.3 | 0.29 | 7.6 | 0.85 | 69 | 71 | 0.15 | 39 | 109 | <0.5 | <0.5 | <0.3 | **505** |
| 39 | 09/12/00 | 9-NEW105.05 | New River Claytor Lake near Hiwassee | N36 57.736' | W80 43.144' | 5.19 | 39B-NEW | 1.3 | 0.33 | <0.5 | 0.860 | 69 | 70 | 0.16 | 33 | 110 | <0.5 | <0.5 | <0.3 | **481** |
| 40 | 09/12/00 | 9-PKC004.65 | Peak Creek near Claytor Lake | N37 02.883' | W80 42.457' | 2.60 | 40A-PKC | 0.79 | 0.86 | 9.0 | 1.2 | 44 | **326** | 0.23 | 29 | 153 | <0.5 | <0.5 | <0.3 | **894** |
| 40B | 09/12/00 | 9-PKC004.65 | Peak Creek near Claytor Lake | N37 02.883' | W80 42.457' | 3.98 | 40B-PKC | 1.0 | 0.85 | 10 | 0.30 | 23 | **327** | 0.21 | 30 | 155 | <0.5 | <0.5 | <0.3 | **886** |
| 41 | 09/13/00 | 9-PKC007.82 | Peak Creek at Rt. 99 Bridge | N37 02.518' | W80 44.496' | 3.43 | 41-PKC | 0.79 | 1.1 | 2.0 | 0.89 | 34 | **362** | 0.24 | 20 | 194 | <0.5 | <0.5 | <0.3 | **1104** |

# DEQ Sediment Samples
# Summary Metals Data - 2000 results

| DEQ site # | Sampling Date | DEQ rivermile | Stream name/location/description | Latitude | Longitude | % TOC[2] | Analyte[3] Sample | % Al | ppm[2] (dry weight basis) Ag | As | Cd | Cr | Cu | Hg | Ni | Pb | Sb | Se | Tl | Zn |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | NOAA's Effects Range-Median | ER-M | >>>>>>>>>>> | >>>>> | | ** | 3.7 | 70 | 9.6 | 370 | 270 | 0.71 | 51.6 | 223 | ** | ** | ** | 410 |
| | | | NOAA's Effects Range-Low | ER-L | >>>>>>>>>>> | >>>>> | | ** | 1 | 8.2 | 1.2 | 81 | 34 | 0.15 | 20.9 | 46.7 | ** | ** | ** | 150 |

## Samples that exceeded ER-L for Silver (Ag)

| | | | | | | | | | Ag | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12 | 05/11/00 | 8-CON003.84 | Contrary Creek at Lake Anna | N38 03.803' | W77 51.464' | 2.32 | 12-CON | 0.78 | 2.4 | 1.0 | 0.95 | 24 | **554** | 0.36 | 2.0 | 220 | <0.5 | <0.5 | <0.3 | **464** |
| 41 | 09/13/00 | 9-PKC007.82 | Peak Creek at Rt. 99 Bridge | N37 02.518' | W80 44.496' | 3.43 | 41-PKC | 0.79 | 1.1 | 2.0 | 0.89 | 34 | **362** | 0.24 | 20 | 194 | <0.5 | <0.5 | <0.3 | **1104** |
| 47 | 06/20/00 | 9-STE002.41 | Stroubles Creek Rt.659 Bridge | N37 11.086' | W80 31.027' | 4.29 | 47-STE | 0.83 | 2.0 | 3.6 | 0.14 | 20 | 33 | 0.13 | 18 | 22 | <0.5 | <0.5 | <0.3 | 100 |
| 65 | 06/07/00 | 2-DEC000.54 | Deep Creek near I-64 | N36 45.758' | W76 18.482' | 4.66 | 65-DEC | 0.78 | 1.3 | <0.5 | 0.86 | 34 | 96 | 0.33 | 17 | 66 | <0.5 | <0.5 | <0.3 | 228 |
| 69 | 05/25/00 | 1AHUT000.01 | Hunting Creek | N38 47.375' | W77 03.047' | 0.94 | 69-HUT | 0.69 | 1.6 | <0.5 | 0.25 | 21 | 52 | 0.13 | 5.3 | 29 | <0.5 | <0.5 | <0.3 | 74 |
| 70 | 05/30/00 | 1ALIF000.19 | Little Hunting Creek | N38 42.783' | W77 04.434' | 2.25 | 70-LIF | 1.0 | 1.7 | 2.3 | 0.30 | 28 | 55 | 0.10 | 22 | 36 | <0.5 | <0.5 | <0.3 | 102 |
| 71 | 05/23/00 | 1APOH000.32 | Pohick Creek | N38 40.835' | W77 10.087' | 2.42 | 71-POH | 1.7 | 1.2 | 5.3 | 0.46 | 30 | 66 | 0.52 | 26 | 56 | <0.5 | <0.5 | <0.3 | 158 |

## Samples that exceeded ER-L for Arsenic (As)

| | | | | | | | | | | As | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 32 | 08/16/00 | 9-HCC001.40 | Hunting Camp Creek near Bastian | N37 09.170' | W81 09.201' | 1.44 | 32-HCC | 0.69 | 0.35 | 9.3 | 0.43 | 30 | 37 | 0.070 | 14 | 34 | <0.5 | <0.5 | <0.3 | 120 |
| 40 | 09/12/00 | 9-PKC004.65 | Peak Creek near Claytor Lake | N37 02.883' | W80 42.457' | 2.60 | 40A-PKC | 0.79 | 0.86 | 9.0 | 1.2 | 44 | **326** | 0.23 | 29 | 153 | <0.5 | <0.5 | <0.3 | **894** |
| 40B | 09/12/00 | 9-PKC004.65 | Peak Creek near Claytor Lake | N37 02.883' | W80 42.457' | 3.98 | 40B-PKC | 1.0 | 0.85 | 10 | 0.30 | 23 | **327** | 0.21 | 30 | 155 | <0.5 | <0.5 | <0.3 | **886** |
| 46 | 06/21/00 | 9-SNC000.20 | Stony Creek at Norcross | N37 21.110' | W80 41.829' | 1.83 | 46-SNC | 0.60 | 0.40 | 12 | 0.37 | 19 | 21 | 0.021 | 27 | 32 | <0.5 | <0.5 | <0.3 | 136 |
| 72 | 05/24/00 | 1ANEA000.57 | Neabsco Creek | N38 36.024' | W77 15.417' | 3.16 | 72-NEA | 1.5 | 0.59 | 15 | 0.49 | 46 | 77 | 0.18 | 34 | 44 | <0.5 | <0.5 | <0.3 | 153 |
| 73 | 05/22/00 | 1APOM001.04 | Potomac Creek | N38 20.809' | W77 18.261' | 3.94 | 73-POM | 1.1 | 0.71 | 10 | 0.60 | 38 | 48 | 0.27 | 27 | 35 | <0.5 | <0.5 | <0.3 | 109 |
| 84 | 10/03/00 | 6ALEV131.14 | Levisa Fork just upstream Conaway Creek | N37 21.137' | W82 12.516' | 4.78 | 84-LEV | 0.76 | 0.45 | 14 | 0.43 | 26 | 56 | 0.044 | 46 | 16 | <0.5 | <0.5 | <0.3 | 141 |

## Samples that exceeded ER-L for Cadmium (Cd)

| | | | | | | | | | | | Cd | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 40 | 09/12/00 | 9-PKC004.65 | Peak Creek near Claytor Lake | N37 02.883' | W80 42.457' | 2.60 | 40A-PKC | 0.79 | 0.86 | 9.0 | 1.2 | 44 | **326** | 0.23 | 29 | 153 | <0.5 | <0.5 | <0.3 | **894** |

## Samples that exceeded ER-L for Copper (Cu)

| | | | | | | | | | | | | | Cu | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 06/01/00 | 8-YRK016.57 | York River near Carter Creek | N37 21.353' | W76 38.176' | 2.32 | 1-YRK | 1.4 | <0.02 | 2.8 | 0.3 | 38 | 83 | 0.22 | 19 | 27 | <0.5 | <0.5 | <0.3 | 121 |
| 2 | 05/04/00 | 8-ELK006.30 | Elk Creek | N38 00.707' | W77 49.316 | 2.24 | 2-ELK | 0.55 | <0.02 | 1.3 | 0.054 | 13 | 74 | 0.11 | 2.0 | 8.2 | <0.5 | <0.5 | <0.3 | 19 |
| 3 | 08/30/00 | 8-GMC001.43 | Goldmine Creek arm of Lake Anna | N38 06.262' | W77 57.373' | 1.76 | 3-GMC | 0.94 | <0.02 | 2.3 | 0.040 | 24 | 58 | 0.11 | 11 | 10 | <0.5 | <0.5 | <0.3 | 39 |
| 4 | 06/14/00 | 8-KNG000.18 | King Creek near York River | N37 16.662' | W76 35.046' | 2.18 | 4-KNG | 1.3 | <0.02 | <0.5 | 0.16 | 41 | 36 | 0.19 | 19 | 29 | <0.5 | <0.5 | <0.3 | 101 |
| 10 | 09/06/00 | 8-NIR009.61 | Ni River at Rt. 208 | N38 13.067' | W77 34.182' | 1.23 | 10A-NIR | 1.1 | 0.040 | 7.1 | 0.10 | 24 | 84 | 0.070 | 5.7 | 15 | <0.5 | <0.5 | <0.3 | 41 |
| 10B | 09/06/00 | 8-NIR009.61 | Ni River at Rt. 208 | N38 13.067' | W77 34.182' | 2.30 | 10B-NIR | 0.95 | 0.040 | 7.6 | 0.10 | 18 | 61 | 0.076 | 0.60 | 15 | <0.5 | <0.5 | <0.3 | 37 |
| 11 | 10/06/00 | 8-NAR001.07 | North Anna below Doswell STP | N37 49.526' | W77 25.550' | 0.64 | 11A-NAR | 0.83 | 0.089 | 4.4 | 0.35 | 20 | 67 | 0.12 | 4.4 | 19 | <0.5 | <0.5 | <0.3 | 125 |
| 11B | 10/06/00 | 8-NAR001.07 | North Anna below Doswell STP | N37 49.526' | W77 25.550' | 0.86 | 11B-NAR | 0.70 | 0.10 | 6.0 | 0.42 | 28 | 48 | 0.085 | 7.0 | 22 | <0.5 | <0.5 | <0.3 | 140 |
| 12 | 05/11/00 | 8-CON003.84 | Contrary Creek at Lake Anna | N38 03.803' | W77 51.464' | 2.32 | 12-CON | 0.78 | 2.4 | 1.0 | 0.95 | 24 | **554** | 0.36 | 2.0 | 220 | <0.5 | <0.5 | <0.3 | **464** |
| 13 | 07/20/00 | 8-PMC009.85 | Pamunkey Creek at Rt.651 | N38 009.85' | W77 57.020' | 2.17 | 13-PMC | 1.3 | <0.02 | 2.5 | <0.01 | 44 | 65 | 0.13 | 19 | 11 | <0.5 | <0.5 | <0.3 | 34 |
| 14 | 05/31/00 | 8-PMK032.00 | Pamunkey River near Lester Manor | N37 34.151' | W77 01.289' | 4.07 | 14-PMK | 0.96 | 0.30 | <0.5 | 0.90 | 35 | 67 | 0.28 | 15 | 34 | <0.5 | <0.5 | <0.3 | **460** |
| 15 | 07/27/00 | 8-PMK006.36 | Pamunkey River upstream West Point | N37 31.56' | W76 52.20' | 2.09 | 15-PMK | 1.3 | <0.02 | <0.5 | 0.29 | 34 | 43 | 0.28 | 44 | 24 | <0.5 | <0.5 | <0.3 | 95 |
| 20 | 07/19/00 | 8-STH004.37 | South River at Rt. 638 | N38 03.148' | W77 26.368' | 3.96 | 20-STH | 0.83 | <0.02 | 0.88 | 0.62 | 19 | 37 | 0.087 | 10 | 7.8 | <0.5 | <0.5 | <0.3 | 75 |

# DEQ Sediment Samples
# Summary Metals Data - 2000 results

| DEQ site # | Sampling Date | DEQ rivermile | Stream name/location/description | Latitude | Longitude | % TOC[2] | Analyte[3] Sample | % Al | ppm[2] (dry weight basis) Ag | As | Cd | Cr | Cu | Hg | Ni | Pb | Sb | Se | Tl | Zn |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | NOAA's Effects Range-Median | ER-M | >>>>>>>>>>> | >>>>> | | ** | 3.7 | 70 | 9.6 | 370 | 270 | 0.71 | 51.6 | 223 | ** | ** | ** | 410 |
| | | | NOAA's Effects Range-Low | ER-L | >>>>>>>>>>> | >>>>> | | ** | 1 | 8.2 | 1.2 | 81 | 34 | 0.15 | 20.9 | 46.7 | ** | ** | ** | 150 |
| 21 | 06/15/00 | 8-WOR000.35 | Wormley Creek at Amoco, Yorktown | N37 12.696' | W76 28.153' | 1.75 | 21-WOR | 1.2 | <0.02 | 1.5 | 0.25 | 39 | 45 | 0.20 | 14 | 3.0 | <0.5 | <0.5 | <0.3 | 89 |
| 22 | 06/06/00 | 8-YRK031.37 | York River near West Point | N37 30.409' | W76 47.466' | 3.25 | 22-YRK | 1.6 | <0.02 | 2.0 | 0.25 | 41 | 43 | 0.17 | 21 | 32 | <0.5 | <0.5 | <0.3 | 126 |
| 26 | 08/17/00 | 9-BST021.26 | Bluestone River at Rt. 643 Falls Mills | N37 17.389' | W81 18.776' | 1.65 | 26-BST | 0.40 | 0.57 | 1.9 | 0.17 | 15 | 53 | 0.10 | 10 | 70 | <0.5 | <0.5 | <0.3 | 95 |
| 32 | 08/16/00 | 9-HCC001.40 | Hunting Camp Creek near Bastian | N37 09.170' | W81 09.201' | 1.44 | 32-HCC | 0.69 | 0.35 | 9.3 | 0.43 | 30 | 37 | 0.070 | 14 | 34 | <0.5 | <0.5 | <0.3 | 120 |
| 33 | 09/13/00 | 9-LRR001.39 | Laurel Fork near VA-WV line | N37 18.671' | W81 20.119' | 7.07 | 33A-LRR | 0.35 | 0.09 | 6.2 | 0.25 | 13 | 66 | 0.13 | 20 | 49 | <0.5 | 0.58 | <0.3 | 114 |
| 33B | 09/13/00 | 9-LRR001.39 | Laurel Fork near VA-WV line | N37 18.671' | W81 20.119' | 2.79 | 33B-LRR | 0.40 | 0.090 | 7.1 | 0.29 | 13 | 62 | 0.15 | 24 | 46 | <0.5 | <0.5 | <0.3 | 118 |
| 38 | 09/11/00 | 9-NEW088.86 | New River Claytor Lake at Dam | N37 04.468' | W80 35.272' | 0.34 | 38-NEW | 0.41 | 0.08 | <0.5 | 0.036 | 14 | 42 | 0.042 | 9.0 | 9.4 | <0.5 | <0.5 | <0.3 | 28 |
| 39B | 09/12/00 | 9-NEW105.05 | New River Claytor Lake near Hiwassee | N36 57.736' | W80 43.144' | 4.96 | 39A-NEW | 1.3 | 0.29 | 7.6 | 0.85 | 69 | 71 | 0.15 | 39 | 109 | <0.5 | <0.5 | <0.3 | **505** |
| 39 | 09/12/00 | 9-NEW105.05 | New River Claytor Lake near Hiwassee | N36 57.736' | W80 43.144' | 5.19 | 39B-NEW | 1.3 | 0.33 | <0.5 | 0.860 | 69 | 70 | 0.16 | 33 | 110 | <0.5 | <0.5 | <0.3 | **481** |
| 40 | 09/12/00 | 9-PKC004.65 | Peak Creek near Claytor Lake | N37 02.883' | W80 42.457' | 2.60 | 40A-PKC | 0.79 | 0.86 | 9.0 | 1.2 | 44 | **326** | 0.23 | 29 | 153 | <0.5 | <0.5 | <0.3 | **894** |
| 40B | 09/12/00 | 9-PKC004.65 | Peak Creek near Claytor Lake | N37 02.883' | W80 42.457' | 3.98 | 40B-PKC | 1.0 | 0.85 | 10 | 0.30 | 23 | **327** | 0.21 | 30 | 155 | <0.5 | <0.5 | <0.3 | **886** |
| 41 | 09/13/00 | 9-PKC007.82 | Peak Creek at Rt. 99 Bridge | N37 02.518' | W80 44.496' | 3.43 | 41-PKC | 0.79 | 1.1 | 2.0 | 0.89 | 34 | **362** | 0.24 | 20 | 194 | <0.5 | <0.5 | <0.3 | **1104** |
| 44 | 07/13/00 | 9-NEW176.85 | New River at Rt. 58 | N36 36.841 | W81 02.815 | 2.46 | 44-NEW | 1.8 | 0.51 | 2.0 | 0.12 | 41 | 38 | 0.086 | **72** | 17 | <0.5 | <0.5 | <0.3 | 97 |
| 63 | 08/22/00 | 2-XXX-63 | Tidewater CC-Sulfolk TCC Lake near Dam | N36 54.186' | W76 25.663' | 11.2 | 63A-2XXX | 0.82 | 0.65 | 4.4 | 0.95 | 23 | 46 | 0.53 | 19 | 64 | <0.5 | <0.5 | <0.3 | 295 |
| 64 | 08/23/00 | 2-XXX-64 | Tidewater CC-Sulfolk J Lake near Dam | N36 54.012' | W76 25.200' | 12.9 | 64-2XXX | 0.73 | 0.93 | <0.5 | 0.7 | 21 | 54 | 0.29 | 6.6 | 63 | <0.5 | <0.5 | <0.3 | 145 |
| 65 | 06/07/00 | 2-DEC000.54 | Deep Creek near I-64 | N36 45.758' | W76 18.482' | 4.66 | 65-DEC | 0.78 | 1.3 | <0.5 | 0.86 | 34 | 96 | 0.33 | 17 | 66 | <0.5 | <0.5 | <0.3 | 228 |
| 66 | 06/27/00 | 7-BAG001.92 | Bagwell Creek | N37 48.138' | W75 41.606' | 2.86 | 66-BAG | 1.0 | 0.65 | <0.5 | 0.24 | 19 | 34 | 0.083 | 4.0 | 7.6 | <0.5 | <0.5 | <0.3 | 69 |
| 69 | 05/25/00 | 1AHUT000.01 | Hunting Creek | N38 47.375' | W77 03.047' | 0.94 | 69-HUT | 0.69 | 1.6 | <0.5 | 0.25 | 21 | 52 | 0.13 | 5.3 | 29 | <0.5 | <0.5 | <0.3 | 74 |
| 70 | 05/30/00 | 1ALIF000.19 | Little Hunting Creek | N38 42.783' | W77 04.434' | 2.25 | 70-LIF | 1.0 | 1.7 | 2.3 | 0.30 | 28 | 55 | 0.10 | 22 | 36 | <0.5 | <0.5 | <0.3 | 102 |
| 71 | 05/23/00 | 1APOH000.32 | Pohick Creek | N38 40.835' | W77 10.087' | 2.42 | 71-POH | 1.7 | 1.2 | 5.3 | 0.46 | 30 | 66 | 0.52 | 26 | 56 | <0.5 | <0.5 | <0.3 | 158 |
| 72 | 05/24/00 | 1ANEA000.57 | Neabsco Creek | N38 36.024' | W77 15.417' | 3.16 | 72-NEA | 1.5 | 0.59 | 15 | 0.49 | 46 | 77 | 0.18 | 34 | 44 | <0.5 | <0.5 | <0.3 | 153 |
| 73 | 05/22/00 | 1APOM001.04 | Potomac Creek | N38 20.809' | W77 18.261' | 3.94 | 73-POM | 1.1 | 0.71 | 10 | 0.60 | 38 | 48 | 0.27 | 27 | 35 | <0.5 | <0.5 | <0.3 | 109 |
| 84 | 10/03/00 | 6ALEV131.14 | Levisa Fork just upstream Conaway Creek | N37 21.137' | W82 12.516' | 4.78 | 84-LEV | 0.76 | 0.45 | 14 | 0.43 | 26 | 56 | 0.044 | 46 | 16 | <0.5 | <0.5 | <0.3 | 141 |

## Samples that exceeded ER-L for Mercury (Hg)

| | | | | | | | | | | | | | | Hg | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 06/01/00 | 8-YRK016.57 | York River near Carter Creek | N37 21.353' | W76 38.176' | 2.32 | 1-YRK | 1.4 | <0.02 | 2.8 | 0.3 | 38 | 83 | 0.22 | 19 | 27 | <0.5 | <0.5 | <0.3 | 121 |
| 4 | 06/14/00 | 8-KNG000.18 | King Creek near York River | N37 16.662' | W76 35.046' | 2.18 | 4-KNG | 1.3 | <0.02 | <0.5 | 0.16 | 41 | 36 | 0.19 | 19 | 29 | <0.5 | <0.5 | <0.3 | 101 |
| 12 | 05/11/00 | 8-CON003.84 | Contrary Creek at Lake Anna | N38 03.803' | W77 51.464' | 2.32 | 12-CON | 0.78 | 2.4 | 1.0 | 0.95 | 24 | **554** | 0.36 | 2.0 | 220 | <0.5 | <0.5 | <0.3 | **464** |
| 14 | 05/31/00 | 8-PMK032.00 | Pamunkey River near Lester Manor | N37 34.151' | W77 01.289' | 4.07 | 14-PMK | 0.96 | 0.30 | <0.5 | 0.90 | 35 | 67 | 0.28 | 15 | 34 | <0.5 | <0.5 | <0.3 | **460** |
| 15 | 07/27/00 | 8-PMK006.36 | Pamunkey River upstream West Point | N37 31.56' | W76 52.20' | 2.09 | 15-PMK | 1.3 | <0.02 | <0.5 | 0.29 | 34 | 43 | 0.28 | 44 | 24 | <0.5 | <0.5 | <0.3 | 95 |
| 21 | 06/15/00 | 8-WOR000.35 | Wormley Creek at Amoco, Yorktown | N37 12.696' | W76 28.153' | 1.75 | 21-WOR | 1.2 | <0.02 | 1.5 | 0.25 | 39 | 45 | 0.20 | 14 | 3.0 | <0.5 | <0.5 | <0.3 | 89 |
| 22 | 06/06/00 | 8-YRK031.37 | York River near West Point | N37 30.409' | W76 47.466' | 3.25 | 22-YRK | 1.6 | <0.02 | 2.0 | 0.25 | 41 | 43 | 0.17 | 21 | 32 | <0.5 | <0.5 | <0.3 | 126 |
| 24 | 07/31/00 | 8-FEL001.24 | Felgates Creek at Felgates Road | N37 15.543' | W76 34.642' | 1.92 | 24-FEL | 1.6 | 0.74 | 2.9 | 0.28 | 37 | 27 | 0.15 | 17 | 27 | <0.5 | <0.5 | <0.3 | 65 |
| 28 | 06/20/00 | 9-CBC006.35 | Crab Creek at Rt. 660 Bridge | N37 09.440' | W80 28.263' | 5.24 | 28-CBC | 0.97 | 0.33 | 2.7 | 0.20 | 17 | 28 | 0.15 | 12 | 30 | <0.5 | <0.5 | <0.3 | 41 |
| 33B | 09/13/00 | 9-LRR001.39 | Laurel Fork near VA-WV line | N37 18.671' | W81 20.119' | 2.79 | 33B-LRR | 0.40 | 0.090 | 7.1 | 0.29 | 13 | 62 | 0.15 | 24 | 46 | <0.5 | <0.5 | <0.3 | 118 |
| 39B | 09/12/00 | 9-NEW105.05 | New River Claytor Lake near Hiwassee | N36 57.736' | W80 43.144' | 4.96 | 39A-NEW | 1.3 | 0.29 | 7.6 | 0.85 | 69 | 71 | 0.15 | 39 | 109 | <0.5 | <0.5 | <0.3 | **505** |
| 39 | 09/12/00 | 9-NEW105.05 | New River Claytor Lake near Hiwassee | N36 57.736' | W80 43.144' | 5.19 | 39B-NEW | 1.3 | 0.33 | <0.5 | 0.860 | 69 | 70 | 0.16 | 33 | 110 | <0.5 | <0.5 | <0.3 | **481** |
| 40 | 09/12/00 | 9-PKC004.65 | Peak Creek near Claytor Lake | N37 02.883' | W80 42.457' | 2.60 | 40A-PKC | 0.79 | 0.86 | 9.0 | 1.2 | 44 | **326** | 0.23 | 29 | 153 | <0.5 | <0.5 | <0.3 | **894** |
| 40B | 09/12/00 | 9-PKC004.65 | Peak Creek near Claytor Lake | N37 02.883' | W80 42.457' | 3.98 | 40B-PKC | 1.0 | 0.85 | 10 | 0.30 | 23 | **327** | 0.21 | 30 | 155 | <0.5 | <0.5 | <0.3 | **886** |
| 41 | 09/13/00 | 9-PKC007.82 | Peak Creek at Rt. 99 Bridge | N37 02.518' | W80 44.496' | 3.43 | 41-PKC | 0.79 | 1.1 | 2.0 | 0.89 | 34 | **362** | 0.24 | 20 | 194 | <0.5 | <0.5 | <0.3 | **1104** |
| 63 | 08/22/00 | 2-XXX-63 | Tidewater CC-Sulfolk TCC Lake near Dam | N36 54.186' | W76 25.663' | 11.2 | 63A-2XXX | 0.82 | 0.65 | 4.4 | 0.95 | 23 | 46 | 0.53 | 19 | 64 | <0.5 | <0.5 | <0.3 | 295 |
| 64 | 08/23/00 | 2-XXX-64 | Tidewater CC-Sulfolk J Lake near Dam | N36 54.012' | W76 25.200' | 12.9 | 64-2XXX | 0.73 | 0.93 | <0.5 | 0.7 | 21 | 54 | 0.29 | 6.6 | 63 | <0.5 | <0.5 | <0.3 | 145 |
| 65 | 06/07/00 | 2-DEC000.54 | Deep Creek near I-64 | N36 45.758' | W76 18.482' | 4.66 | 65-DEC | 0.78 | 1.3 | <0.5 | 0.86 | 34 | 96 | 0.33 | 17 | 66 | <0.5 | <0.5 | <0.3 | 228 |

# DEQ Sediment Samples
# Summary Metals Data - 2000 results

| DEQ site # | Sampling Date | DEQ rivermile | Stream name/location/description | Latitude | Longitude | % TOC[2] | Analyte[3] Sample | % Al | ppm[2] (dry weight basis) Ag | As | Cd | Cr | Cu | Hg | Ni | Pb | Sb | Se | Tl | Zn |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | NOAA's Effects Range-Median | ER-M | >>>>>>>>>>> | >>>>> | | ** | 3.7 | 70 | 9.6 | 370 | 270 | 0.71 | 51.6 | 223 | ** | ** | ** | 410 |
| | | | NOAA's Effects Range-Low | ER-L | >>>>>>>>>>> | >>>>> | | ** | 1 | 8.2 | 1.2 | 81 | 34 | 0.15 | 20.9 | 46.7 | ** | ** | ** | 150 |
| 71 | 05/23/00 | 1APOH000.32 | Pohick Creek | N38 40.835' | W77 10.087' | 2.42 | 71-POH | 1.7 | 1.2 | 5.3 | 0.46 | 30 | 66 | 0.52 | 26 | 56 | <0.5 | <0.5 | <0.3 | 158 |
| 72 | 05/24/00 | 1ANEA000.57 | Neabsco Creek | N38 36.024' | W77 15.417' | 3.16 | 72-NEA | 1.5 | 0.59 | 15 | 0.49 | 46 | 77 | 0.18 | 34 | 44 | <0.5 | <0.5 | <0.3 | 153 |
| 73 | 05/22/00 | 1APOM001.04 | Potomac Creek | N38 20.809' | W77 18.261' | 3.94 | 73-POM | 1.1 | 0.71 | 10 | 0.60 | 38 | 48 | 0.27 | 27 | 35 | <0.5 | <0.5 | <0.3 | 109 |

## Samples that exceeded ER-L for Nickel (Ni)

| | | | | | | | | | | | | | | | Ni | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 15 | 07/27/00 | 8-PMK006.36 | Pamunkey River upstream West Point | N37 31.56' | W76 52.20' | 2.09 | 15-PMK | 1.3 | <0.02 | <0.5 | 0.29 | 34 | 43 | 0.28 | 44 | 24 | <0.5 | <0.5 | <0.3 | 95 |
| 22 | 06/06/00 | 8-YRK031.37 | York River near West Point | N37 30.409' | W76 47.466' | 3.25 | 22-YRK | 1.6 | <0.02 | 2.0 | 0.25 | 41 | 43 | 0.17 | 21 | 32 | <0.5 | <0.5 | <0.3 | 126 |
| 33B | 09/13/00 | 9-LRR001.39 | Laurel Fork near VA-WV line | N37 18.671' | W81 20.119' | 2.79 | 33B-LRR | 0.40 | 0.090 | 7.1 | 0.29 | 13 | 62 | 0.15 | 24 | 46 | <0.5 | <0.5 | <0.3 | 118 |
| 34 | 06/20/00 | 9-MLC005.44 | Mill Creek near Riner at Rt. 8 | N37 03.268' | W80 26.407' | 3.53 | 34-MLC | 0.88 | 0.33 | 4.9 | 0.093 | 26 | 33 | 0.067 | 41 | 17 | <0.5 | <0.5 | <0.3 | 51 |
| 39B | 09/12/00 | 9-NEW105.05 | New River Claytor Lake near Hiwassee | N36 57.736' | W80 43.144' | 4.96 | 39A-NEW | 1.3 | 0.29 | 7.6 | 0.85 | 69 | 71 | 0.15 | 39 | 109 | <0.5 | <0.5 | <0.3 | **505** |
| 39 | 09/12/00 | 9-NEW105.05 | New River Claytor Lake near Hiwassee | N36 57.736' | W80 43.144' | 5.19 | 39B-NEW | 1.3 | 0.33 | <0.5 | 0.860 | 69 | 70 | 0.16 | 33 | 110 | <0.5 | <0.5 | <0.3 | **481** |
| 40 | 09/12/00 | 9-PKC004.65 | Peak Creek near Claytor Lake | N37 02.883' | W80 42.457' | 2.60 | 40A-PKC | 0.79 | 0.86 | 9.0 | 1.2 | 44 | **326** | 0.23 | 29 | 153 | <0.5 | <0.5 | <0.3 | **894** |
| 40B | 09/12/00 | 9-PKC004.65 | Peak Creek near Claytor Lake | N37 02.883' | W80 42.457' | 3.98 | 40B-PKC | 1.0 | 0.85 | 10 | 0.30 | 23 | **327** | 0.21 | 30 | 155 | <0.5 | <0.5 | <0.3 | **886** |
| 44 | 07/13/00 | 9-NEW176.85 | New River at Rt. 58 | N36 36.841 | W81 02.815 | 2.46 | 44-NEW | 1.8 | 0.51 | 2.0 | 0.12 | 41 | 38 | 0.086 | **72** | 17 | <0.5 | <0.5 | <0.3 | 97 |
| 46 | 06/21/00 | 9-SNC000.20 | Stony Creek at Norcross | N37 21.110' | W80 41.829' | 1.83 | 46-SNC | 0.60 | 0.40 | 12 | 0.37 | 19 | 21 | 0.021 | 27 | 32 | <0.5 | <0.5 | <0.3 | 136 |
| 48 | 08/16/00 | 9-WFC003.69 | Wolf Creek at Rt. 724 Bridge | N37 18.362' | W80 50.992' | 5.59 | 48-WFC | 0.55 | 0.59 | 3.9 | 0.64 | 20 | 27 | 0.079 | 23 | **3203** | <0.5 | <0.5 | <0.3 | 189 |
| 70 | 05/30/00 | 1ALIF000.19 | Little Hunting Creek | N38 42.783' | W77 04.434' | 2.25 | 70-LIF | 1.0 | 1.7 | 2.3 | 0.30 | 28 | 55 | 0.10 | 22 | 36 | <0.5 | <0.5 | <0.3 | 102 |
| 71 | 05/23/00 | 1APOH000.32 | Pohick Creek | N38 40.835' | W77 10.087' | 2.42 | 71-POH | 1.7 | 1.2 | 5.3 | 0.46 | 30 | 66 | 0.52 | 26 | 56 | <0.5 | <0.5 | <0.3 | 158 |
| 72 | 05/24/00 | 1ANEA000.57 | Neabsco Creek | N38 36.024' | W77 15.417' | 3.16 | 72-NEA | 1.5 | 0.59 | 15 | 0.49 | 46 | 77 | 0.18 | 34 | 44 | <0.5 | <0.5 | <0.3 | 153 |
| 73 | 05/22/00 | 1APOM001.04 | Potomac Creek | N38 20.809' | W77 18.261' | 3.94 | 73-POM | 1.1 | 0.71 | 10 | 0.60 | 38 | 48 | 0.27 | 27 | 35 | <0.5 | <0.5 | <0.3 | 109 |
| 84 | 10/03/00 | 6ALEV131.14 | Levisa Fork just upstream Conaway Creek | N37 21.137' | W82 12.516' | 4.78 | 84-LEV | 0.76 | 0.45 | 14 | 0.43 | 26 | 56 | 0.044 | 46 | 16 | <0.5 | <0.5 | <0.3 | 141 |

## Samples that exceeded ER-L for Lead (Pb)

| | | | | | | | | | | | | | | | | Pb | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12 | 05/11/00 | 8-CON003.84 | Contrary Creek at Lake Anna | N38 03.803' | W77 51.464' | 2.32 | 12-CON | 0.78 | 2.4 | 1.0 | 0.95 | 24 | **554** | 0.36 | 2.0 | 220 | <0.5 | <0.5 | <0.3 | **464** |
| 26 | 08/17/00 | 9-BST021.26 | Bluestone River at Rt. 643 Falls Mills | N37 17.389' | W81 18.776' | 1.65 | 26-BST | 0.40 | 0.57 | 1.9 | 0.17 | 15 | 53 | 0.10 | 10 | 70 | <0.5 | <0.5 | <0.3 | 95 |
| 33 | 09/13/00 | 9-LRR001.39 | Laurel Fork near VA-WV line | N37 18.671' | W81 20.119' | 7.07 | 33A-LRR | 0.35 | 0.09 | 6.2 | 0.25 | 13 | 66 | 0.13 | 20 | 49 | <0.5 | 0.58 | <0.3 | 114 |
| 35 | 07/11/00 | 9-NEW030.15 | New River near Glen Lyn at Rt. 460 | N37 22.337' | W80 51.693' | 0.93 | 35-NEW | 0.58 | 0.55 | 6.6 | 0.30 | 19 | 24 | 0.052 | 7.4 | 80 | <0.5 | <0.5 | <0.3 | 279 |
| 36 | 07/11/00 | 9-NEW066.90 | New River at Whitethorne | N37 11.891' | W80 33.800' | 0.90 | 36-NEW | 0.81 | 0.71 | <0.5 | 0.57 | 22 | 26 | 0.047 | 9.2 | 91 | <0.5 | <0.5 | <0.3 | 146 |
| 37 | 07/10/00 | 9-NEW079.19 | New River below Radford University | N37 08.538' | W80 32.567' | 1.14 | 37-NEW | 1.1 | 0.59 | 1.5 | 0.35 | 22 | 22 | 0.069 | 11 | 114 | <0.5 | <0.5 | <0.3 | 134 |
| 39B | 09/12/00 | 9-NEW105.05 | New River Claytor Lake near Hiwassee | N36 57.736' | W80 43.144' | 4.96 | 39A-NEW | 1.3 | 0.29 | 7.6 | 0.85 | 69 | 71 | 0.15 | 39 | 109 | <0.5 | <0.5 | <0.3 | **505** |
| 39 | 09/12/00 | 9-NEW105.05 | New River Claytor Lake near Hiwassee | N36 57.736' | W80 43.144' | 5.19 | 39B-NEW | 1.3 | 0.33 | <0.5 | 0.860 | 69 | 70 | 0.16 | 33 | 110 | <0.5 | <0.5 | <0.3 | **481** |
| 40 | 09/12/00 | 9-PKC004.65 | Peak Creek near Claytor Lake | N37 02.883' | W80 42.457' | 2.60 | 40A-PKC | 0.79 | 0.86 | 9.0 | 1.2 | 44 | **326** | 0.23 | 29 | 153 | <0.5 | <0.5 | <0.3 | **894** |
| 40B | 09/12/00 | 9-PKC004.65 | Peak Creek near Claytor Lake | N37 02.883' | W80 42.457' | 3.98 | 40B-PKC | 1.0 | 0.85 | 10 | 0.30 | 23 | **327** | 0.21 | 30 | 155 | <0.5 | <0.5 | <0.3 | **886** |
| 41 | 09/13/00 | 9-PKC007.82 | Peak Creek at Rt. 99 Bridge | N37 02.518' | W80 44.496' | 3.43 | 41-PKC | 0.79 | 1.1 | 2.0 | 0.89 | 34 | **362** | 0.24 | 20 | 194 | <0.5 | <0.5 | <0.3 | **1104** |
| 48 | 08/16/00 | 9-WFC003.69 | Wolf Creek at Rt. 724 Bridge | N37 18.362' | W80 50.992' | 5.59 | 48-WFC | 0.55 | 0.59 | 3.9 | 0.64 | 20 | 27 | 0.079 | 23 | **3203** | <0.5 | <0.5 | <0.3 | 189 |
| 63 | 08/22/00 | 2-XXX-63 | Tidewater CC-Sulfolk TCC Lake near Dam | N36 54.186' | W76 25.663' | 11.2 | 63A-2XXX | 0.82 | 0.65 | 4.4 | 0.95 | 23 | 46 | 0.53 | 19 | 64 | <0.5 | <0.5 | <0.3 | 295 |
| 64 | 08/23/00 | 2-XXX-64 | Tidewater CC-Sulfolk J Lake near Dam | N36 54.012' | W76 25.200' | 12.9 | 64-2XXX | 0.73 | 0.93 | <0.5 | 0.7 | 21 | 54 | 0.29 | 6.6 | 63 | <0.5 | <0.5 | <0.3 | 145 |
| 65 | 06/07/00 | 2-DEC000.54 | Deep Creek near I-64 | N36 45.758' | W76 18.482' | 4.66 | 65-DEC | 0.78 | 1.3 | <0.5 | 0.86 | 34 | 96 | 0.33 | 17 | 66 | <0.5 | <0.5 | <0.3 | 228 |
| 71 | 05/23/00 | 1APOH000.32 | Pohick Creek | N38 40.835' | W77 10.087' | 2.42 | 71-POH | 1.7 | 1.2 | 5.3 | 0.46 | 30 | 66 | 0.52 | 26 | 56 | <0.5 | <0.5 | <0.3 | 158 |

# DEQ Sediment Samples
# Summary Metals Data - 2000 results

| DEQ site # | Sampling Date | DEQ rivermile | Stream name/location/description | Latitude | Longitude | % TOC[2] | Analyte[3] Sample | % Al | ppm[1] (dry weight basis) Ag | As | Cd | Cr | Cu | Hg | Ni | Pb | Sb | Se | Tl | Zn |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **NOAA's Effects Range-Median** | **ER-M** | **>>>>>>>>>>** | **>>>>>** | | ****** | **3.7** | **70** | **9.6** | **370** | **270** | **0.71** | **51.6** | **223** | ****** | ****** | ****** | **410** |
| | | | **NOAA's Effects Range-Low** | **ER-L** | **>>>>>>>>>>** | **>>>>>** | | ****** | **1** | **8.2** | **1.2** | **81** | **34** | **0.15** | **20.9** | **46.7** | ****** | ****** | ****** | **150** |

## Samples with detectable levels of Selenium (Se)

| | | | | | | | | | | | | | | | | | | Se | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 33 | 09/13/00 | 9-LRR001.39 | Laurel Fork near VA-WV line | N37 18.671' | W81 20.119' | 7.07 | 33A-LRR | 0.35 | 0.09 | 6.2 | 0.25 | 13 | 66 | 0.13 | 20 | 49 | <0.5 | 0.58 | <0.3 | 114 |

## Samples that exceeded ER-L for Zinc (Zn)

| | | | | | | | | | | | | | | | | | | | | Zn |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12 | 05/11/00 | 8-CON003.84 | Contrary Creek at Lake Anna | N38 03.803' | W77 51.464' | 2.32 | 12-CON | 0.78 | 2.4 | 1.0 | 0.95 | 24 | **554** | 0.36 | 2.0 | 220 | <0.5 | <0.5 | <0.3 | **464** |
| 14 | 05/31/00 | 8-PMK032.00 | Pamunkey River near Lester Manor | N37 34.151' | W77 01.289' | 4.07 | 14-PMK | 0.96 | 0.30 | <0.5 | 0.90 | 35 | 67 | 0.28 | 15 | 34 | <0.5 | <0.5 | <0.3 | **460** |
| 35 | 07/11/00 | 9-NEW030.15 | New River near Glen Lyn at Rt. 460 | N37 22.337' | W80 51.693' | 0.93 | 35-NEW | 0.58 | 0.55 | 6.6 | 0.30 | 19 | 24 | 0.052 | 7.4 | 80 | <0.5 | <0.5 | <0.3 | 279 |
| 39B | 09/12/00 | 9-NEW105.05 | New River Claytor Lake near Hiwassee | N36 57.736' | W80 43.144' | 4.96 | 39A-NEW | 1.3 | 0.29 | 7.6 | 0.85 | 69 | 71 | 0.15 | 39 | 109 | <0.5 | <0.5 | <0.3 | **505** |
| 39 | 09/12/00 | 9-NEW105.05 | New River Claytor Lake near Hiwassee | N36 57.736' | W80 43.144' | 5.19 | 39B-NEW | 1.3 | 0.33 | <0.5 | 0.860 | 69 | 70 | 0.16 | 33 | 110 | <0.5 | <0.5 | <0.3 | **481** |
| 40 | 09/12/00 | 9-PKC004.65 | Peak Creek near Claytor Lake | N37 02.883' | W80 42.457' | 2.60 | 40A-PKC | 0.79 | 0.86 | 9.0 | 1.2 | 44 | **326** | 0.23 | 29 | 153 | <0.5 | <0.5 | <0.3 | **894** |
| 40B | 09/12/00 | 9-PKC004.65 | Peak Creek near Claytor Lake | N37 02.883' | W80 42.457' | 3.98 | 40B-PKC | 1.0 | 0.85 | 10 | 0.30 | 23 | **327** | 0.21 | 30 | 155 | <0.5 | <0.5 | <0.3 | **886** |
| 41 | 09/13/00 | 9-PKC007.82 | Peak Creek at Rt. 99 Bridge | N37 02.518' | W80 44.496' | 3.43 | 41-PKC | 0.79 | 1.1 | 2.0 | 0.89 | 34 | **362** | 0.24 | 20 | 194 | <0.5 | <0.5 | <0.3 | **1104** |
| 48 | 08/16/00 | 9-WFC003.69 | Wolf Creek at Rt. 724 Bridge | N37 18.362' | W80 50.992' | 5.59 | 48-WFC | 0.55 | 0.59 | 3.9 | 0.64 | 20 | 27 | 0.079 | 23 | **3203** | <0.5 | <0.5 | <0.3 | 189 |
| 63 | 08/22/00 | 2-XXX-63 | Tidewater CC-Sulfolk TCC Lake near Dam | N36 54.186' | W76 25.663' | 11.2 | 63A-2XXX | 0.82 | 0.65 | 4.4 | 0.95 | 23 | 46 | 0.53 | 19 | 64 | <0.5 | <0.5 | <0.3 | 295 |
| 65 | 06/07/00 | 2-DEC000.54 | Deep Creek near I-64 | N36 45.758' | W76 18.482' | 4.66 | 65-DEC | 0.78 | 1.3 | <0.5 | 0.86 | 34 | 96 | 0.33 | 17 | 66 | <0.5 | <0.5 | <0.3 | 228 |
| 71 | 05/23/00 | 1APOH000.32 | Pohick Creek | N38 40.835' | W77 10.087' | 2.42 | 71-POH | 1.7 | 1.2 | 5.3 | 0.46 | 30 | 66 | 0.52 | 26 | 56 | <0.5 | <0.5 | <0.3 | 158 |
| 72 | 05/24/00 | 1ANEA000.57 | Neabsco Creek | N38 36.024' | W77 15.417' | 3.16 | 72-NEA | 1.5 | 0.59 | 15 | 0.49 | 46 | 77 | 0.18 | 34 | 44 | <0.5 | <0.5 | <0.3 | 153 |

NOTES:

1 **ppm** parts per million (mg/kg or ug/g) dry weight basis

2 **TOC** Total Organic Carbon

3 **Analyte**

| | | | |
|---|---|---|---|
| **Al** | Aluminum | **Cu** | Copper | **Sb** | Antimony |
| **Ag** | Silver | **Hg** | Mercury | **Se** | Selenium |
| **As** | Arsenic | **Ni** | Nickel | **Tl** | Thallium |
| **Cd** | Cadmium | **Pb** | Lead | **Zn** | Zinc |
| **Cr** | Chromium | | | | |

****** no data available for either ER-L or ER-M