

| SAMPLE INFORMATION | | | | | | | PARAMETER (UNITS) | TDS ** (mg/L) | CHLORIDE (mg/L) | SULFATE (mg/L) | BROMIDE (mg/L) | SPECIFIC CONDUCTANCE (umhos/c) |
|--------------------|---|------------------|---------------|---------------|-------------------|--------------------|----------------------|--------------------|--------------------|-------------------|-------------------|--------------------------------------|
| RMI | SAMPLE LOCATION | LATITUDE | LONGITUDE | SAMPLE ID# | DATE COLLECTED | LAB ID# | CRITERIA (BASIS) | 500 Avg 750 Max | 250 (PWS) | 250 (PWS) | | |
| 1.1 | PA Fork Dunkard Creek | 39° 43' 44.6" | 80° 16' 42.8" | 1552-075 | 9/10/2009 | 06681 | | 206 | 5.98 | 32.5 | | 336 |
| | | | | 1552-111 | 9/15/2009 | 06807 | | 254 | 14.9 | 42.7 | | 424 |
| | | | | 1552-159 | 9/21/2009 | 33355 | | 282 | 15.9 | 42.4 | | 438 |
| | | | | 1552-200 | 9/29/2009 | 34473 | | 234 | 14.1 | 45.1 | | 395 |
| | | | | 1552-228 | 10/6/2009 | 35248 | | 230 | 13.2 | 37 | | 395 |
| | | | | 1552-260 | 10/21/2009 | 37169 | | 164 | 7.92 | 34 | | 279 |
| | | | | 1552-296 | 11/4/2009 | 39186 | | 162 | 7.16 | 31.1 | | 258 |
| | | | | 1552-317 | 11/18/2009 | 40449 | | 206 | 9.2 | 36.5 | | 325 |
| | | | | 1552-332 | 12/2/2009 | 41519 | | 194 | 9.27 | 34.2 | | 304 |
| | | | | 1552-349 | 12/16/2009 | 43385 | | 144 | 4.85 | 30.2 | | 218 |
| | | | | 1552-366 | 1/6/2010 | 00349 | | 150 | 5.23 | 34.4 | | 250 |
| | | | | 1552-383 | 1/20/2010 | 01538 | | 120 | 4.2 | 28.5 | | 171 |
| | | | | 0552-922 | 8/11/2010 | 25779 | | 212 | 9.55 | 33 | <0.2 | 362 |
| | | | | 0552-936 | 8/25/2010 | 27336 | | 198 | 9.88 | 30.18 | <0.2 | 388 |
| | | | | 0552-949 | 9/8/2010 | 28689 | | 252 | 18.23 | 30.22 | <0.2 | 424 |
| | | | | 0552-963 | 9/22/2010 | 29661 | | 260 | 14 | 32.9 | <0.2 | 451 |
| 0552-977 | 10/6/2010 | 31139 | | 218 | 9.78 | 38.28 | <0.2 | 350 | | | | |
| 0552-991 | 10/20/2010 | 32724 | | 338 | 15.3 | 47.6 | <0.2 | 439 | | | | |
| 0.6 | WV Fork Dunkard Creek 50' US Outfall 003 | 39° 42' 48" | 80° 17' 17" | 1552 | 9/15/2009 | Field Data Only | | | | | | 5000-10,000 |
| | | | | | 9/21/2009 | | | 2406 | 410 | 1016 | 2.5 | 3,740 |
| | | | | 1552-202 | 9/29/2009 | 34474 | | 2,128 | 336 | 868 | 2.1 | 3,290 |
| | | | | 1552-230 | 10/6/2009 | 35249, | | 1,088 | 167 | 425 | 1 | 1,770 |
| | | | | 1552-264 | 10/21/2009 | 37173 | | 406 | 48.9 | 127 | 0.3 | 655 |
| | | | | 1552-297 | 11/4/2009 | 39187 | | 362 | 46.3 | 140 | 0.3 | 595 |
| | | | | 1552-318 | 11/18/2009 | 40450 | | 1,852 | 317 | 755 | 2 | 2,900 |
| | | | | 1552-333 | 12/2/2009 | 41520 | | 886 | 134 | 360 | 0.8 | 1,420 |
| | | | | 1552-350 | 12/16/2009 | 43387 | | 348 | 40.4 | 115 | 0.2 | 551 |
| | | | | 1552-367 | 1/6/2010 | 00350 | | 492 | 84.8 | 214 | 0.6 | 908 |
| | | | | 1552-384 | 1/20/2010 | 01539 | | 234 | 24.5 | 74 | | 350 |
| | | | | 0552-923 | 8/11/2010 | 25793 | | 252 | 17.8 | 55.1 | <0.2 | |
| | | | | 0552-937 | 8/25/2010 | 27337 | | 318 | 22.05 | 61.06 | <0.2 | 520 |
| | | | | 0552-950 | 9/8/2010 | 28690 | | 352 | 20.75 | 67.27 | <0.2 | 547 |
| | | | | 0552-964 | 9/22/2010 | 29662 | | 360 | 28.6 | 68.2 | <0.2 | 567 |
| 0552-978 | 10/6/2010 | 31140 | | 396 | 28.25 | 122.71 | <0.2 | 608 | | | | |

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| SAMPLE INFORMATION | | | | | | | PARAMETER (UNITS) | TDS ** (mg/L) | CHLORIDE (mg/L) | SULFATE (mg/L) | BROMIDE (mg/L) | SPECIFIC CONDUCTANCE (umhos/c) | | |
|--------------------|---|------------------|---------------|---------------|-------------------|--------------------|----------------------|--------------------|--------------------|-------------------|-------------------|--------------------------------------|--------|----|
| RMI | SAMPLE LOCATION | LATITUDE | LONGITUDE | SAMPLE ID# | DATE COLLECTED | LAB ID# | CRITERIA (BASIS) | 500 Avg 750 Max | 250 (PWS) | 250 (PWS) | | | | |
| | | | | 0552-992 | 10/20/2010 | 32725 | | 386 | 28.1 | 105 | <.2 | 598 | | |
| 0.5 | Blacksville #2 discharge from Beaver Pond or Pond Itself Outfall 003 | 39° 42' 52" | 80° 17' 15" | 0552-925 | 8/11/2010 | 25794 | | 7822 | 1729 | 3373 | 11.6 | 10390 | | |
| | | | | 0552-939 | 8/25/2010 | ND | | | | | | | ND | |
| | | | | 0552-952 | 9/8/2010 | ND | | | | | | | | ND |
| | | | | 0552-966 | 9/22/2010 | ND | | | | | | | | ND |
| | | | | 0552-979 | 10/6/2010 | ND | | | | | | | | ND |
| | | | | 0552-994 | 10/20/2010 | ND | | | | | | | | |
| 0.4 | Blacksville #2 Mine Outfall 005 Discharge to WV Fork 2000' US jct PA Fork @ Shamrock | 39° 43' 07.6" | 80° 16' 38.8" | 1552 | 9/15/2009 | Field Data Only | | | | | | | 24,600 | |
| | | | | 1552-148 | 9/17/2009 | 33133 | | 20528 | 4450 | 8821 | 30.1 | 26,700 | | |
| | | | | 1552-167 | 9/21/2009 | 33363 | | 21,764 | 4,780 | 6,643 | 32.3 | 27,200 | | |
| | | | | 1552-204 | 9/29/2009 | 34475 | | 9,652 | 2,129 | 3,796 | 11.2 | 13,190 | | |
| | | | | 1552-232 | 10/6/2009 | 35250 | | 14,482 | 3,230 | 6,006 | 19.9 | 19,010 | | |
| | | | | 1552-266 | 10/21/2009 | 37174 | | 5,620 | 1,259 | 2,241 | 7.8 | 8,140 | | |
| | | | | 1552-298 | 11/4/2009 | 39188 | | 5,236 | 1,161 | 2,027 | 7.2 | 7,570 | | |
| | | | | 1552-319 | 11/18/2009 | 40504 | | 6,458 | 1,361 | 2,509 | 9.6 | 9,110 | | |
| | | | | 1552-334 | 12/2/2009 | 41545 | | 7,186 | 1,566 | 2,829 | 10.1 | 10,080 | | |
| | | | | 1552-351 | 12/16/2009 | 43377 | | 1,654 | 340.0 | 642.0 | 2.2 | 2,510 | | |
| | | | | 1552-368 | 1/6/2010 | 00351 | | 848 | 157 | 342 | 1 | 1,335 | | |
| | | | | 1552-385 | 1/20/2010 | 01515 | | 434 | 60.9 | 158.0 | 0.4 | 660 | | |
| | | | | 0552-938 | 8/25/2010 | ND | | | | | | | | ND |
| | | | | 0552-950 | 9/8/2010 | ND | | | | | | | | ND |
| | | | | 0552-965 | 9/22/2010 | ND | | | | | | | | ND |
| 0552-980 | 10/6/2010 | ND | | | | | | | | ND | | | | |
| 0552-993 | 10/20/2010 | ND | | | | | | | | | ND | | | |
| | | | | 1552-090 | 9/10/2009 | 06684 | | 18,856 | 4,255 | 7,867 | 27.4 | 24,500 | | |
| | | | | 1552-117 | 9/15/2009 | 06808 | | 14,782 | 1,588 | 3,177 | 20.4 | 19,760 | | |
| | | | | 1552-151 | 9/17/2009 | 33136 | | 12404 | 2689 | 5429 | 17.6 | 17,000 | | |
| | | | | 1552-163 | 9/21/2009 | 33359 | | 4,582 | 860 | 1,825 | 5.7 | 6,710 | | |
| | | | | 1552-206 | 9/29/2009 | 34478 | | 2,312 | 383 | 967 | 2.4 | 3,610 | | |
| | | | | 1552-234 | 10/6/2009 | 35253 | | 1,240 | 195 | 486 | 1.2 | 1,966 | | |
| | | | | 1552-268 | 10/21/2009 | 37185 | | 442 | 57.2 | 143 | 0.3 | 711 | | |
| | | | | 1552-299 | 11/4/2009 | 39189 | | 380 | 49 | 120 | 0.3 | 640 | | |

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|--------------------|-----------------------------|--------------------|---------------------|---------------|-------------------|------------|----------------------|--------------------|--------------------|-------------------|-------------------|--------------------------------------|
| RMI | SAMPLE LOCATION | LATITUDE | LONGITUDE | SAMPLE ID# | DATE COLLECTED | LAB ID# | CRITERIA (BASIS) | 500 Avg 750 Max | 250 (PWS) | 250 (PWS) | | |
| 0.2 | WV Fork Dunkard Creek | 39° 43' 18.3" | 80° 16' 25.1" | 1552-320 | 11/18/2009 | 40505 | | 1,868 | 325 | 765 | 1.9 | 2,900 |
| | | | | 1552-335 | 12/2/2009 | 41546 | | 980 | 147 | 389 | 0.8 | 1,540 |
| | | | | 1552-352 | 12/16/2009 | 43378 | | 360.0 | 42.3 | 119 | 0.2 | 574 |
| | | | | 1552-369 | 1/6/2010 | 00352 | | 548 | 85 | 213 | 0.6 | 900 |
| | | | | 1552-386 | 1/20/2010 | 01540 | | 234.0 | 24.5 | 74.2 | | 350 |
| | | | | 0552-926 | 8/11/2010 | 25803 | | 362 | 30.8 | 83.3 | <.02 | 570 |
| | | | | 0552-940 | 8/25/2010 | 27366 | | 364 | 31.03 | 78.68 | <.02 | 592 |
| | | | | 0552-953 | 9/8/2010 | 28664 | | 486 | 49.6 | 121 | 0.3 | 769 |
| | | | | 0552-967 | 9/22/2010 | 29663 | | 436 | 45.1 | 101 | 0.2 | 713 |
| | | | | 0552-981 | 10/6/2010 | 31137 | | 552 | 63.6 | 192 | 0.4 | 877 |
| | | | | 0552-995 | 10/20/2010 | 32726 | | 538 | 127 | 182 | 0.3 | 852 |
| 41 | Dunkard Creek @ Brave | 39° 43' 39.0" | 080° 15' 21.9" | 1552-085 | 9/10/2009 | 06683 | | 3938 | 840 | 1622 | 5.2 | 6290 |
| | | | | 1552-123 | 9/15/2009 | 06809 | | 4392 | 948 | 1799 | 5.8 | 6550 |
| | | | | 1552-171 | 9/21/2009 | 33367 | | 5304 | 1097 | 2058 | 7.4 | 7740 |
| | | | | 1552-208 | 9/29/2009 | 34479 | | 2622 | 477 | 1073 | 3.1 | 4110 |
| | | | | 1552-236 | 10/6/2009 | 35254 | | 1350 | 227 | 527 | 1.5 | 2200 |
| | | | | 1552-270 | 10/21/2009 | 37184 | | 350 | 42.7 | 109 | 0.3 | 599 |
| | | | | 1552-300 | 11/4/2009 | 39190 | | 292 | 31 | 78.7 | | 467 |
| | | | | 1552-321 | 11/18/2009 | 40444 | | 846 | 132 | 299 | 0.8 | 1332 |
| | | | | 1552-336 | 12/2/2009 | 41539 | | 850 | 125 | 333 | 0.6 | 1360 |
| | | | | 1552-353 | 12/16/2009 | 43373 | | 248 | 24.2 | 75.6 | | 417 |
| | | | | 1552-370 | 1/6/2010 | 00343 | | 322 | 41.8 | 108 | 0.2 | 543 |
| | | | | 1552-387 | 1/20/2010 | 01516 | | 284 | 35.8 | 89.5 | 0.2 | 440 |
| | | | | 0552-927 | 8/11/2010 | 25804 | | 256 | 24.2 | 59.6 | <.2 | 350 |
| | | | | 0552-941 | 8/25/2010 | 27367 | | 372 | 39.62 | 81.13 | <.2 | 614 |
| | | | | 0552-954 | 9/8/2010 | 28665 | | 392 | 40.27 | 79.93 | 0.3 | 614 |
| | | | | 0552-968 | 9/22/2010 | 29664 | | 390 | 41.3 | 88.9 | 0.2 | 650 |
| 0552-982 | 10/6/2010 | 31138 | | 336 | 30.5 | 85.92 | 0.2 | 557 | | | | |
| | | | | 0552-996 | 10/20/2010 | 32727 | | 420 | 42.5 | 109 | 0.2 | 649 |
| 39.2 | Miracle Run @ Mouth | N 39° 43' 05.0" | W 080° 14' 28.8" | 1552-142 | 9/17/2009 | 33127 | | 2816 | 195 | 1555 | 1.2 | 3940 |
| | | | | 1552-175 | 9/21/2009 | 33371 | | 3472 | 239 | 1854 | 1.5 | 4610 |
| | | | | 1552-208 | 9/29/2009 | 34479 | | 1816 | 132 | 994 | 0.7 | 2660 |
| | | | | 1552-238 | 10/6/2009 | 35251 | | 1892 | 135 | 1011 | 0.8 | 2690 |
| | | | | 1552-272 | 10/21/2009 | 37172 | | 790 | 49.9 | 359 | 0.3 | 1160 |
| | | | | 1552-301 | 11/4/2009 | 39191 | | 1230 | 79.6 | 598 | 0.5 | 1767 |

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| SAMPLE INFORMATION | | | | | | | PARAMETER (UNITS) | TDS ** (mg/L) | CHLORIDE (mg/L) | SULFATE (mg/L) | BROMIDE (mg/L) | SPECIFIC CONDUCTANCE (umhos/c) |
|--------------------|--|------------------|---------------|---------------|-------------------|--------------------|----------------------|--------------------|--------------------|-------------------|-------------------|--------------------------------------|
| RMI | SAMPLE LOCATION | LATITUDE | LONGITUDE | SAMPLE ID# | DATE COLLECTED | LAB ID# | CRITERIA (BASIS) | 500 Avg 750 Max | 250 (PWS) | 250 (PWS) | | |
| | | | | 1552-322 | 11/18/2009 | 40445 | | 1838 | 139 | 975 | 0.8 | 2650 |
| | | | | 1552-337 | 12/2/2009 | 41540 | | 1010 | 67.1 | 489 | 0.4 | 1479 |
| | | | | 1552-354 | 12/16/2009 | 43374 | | 460 | 29.2 | 206 | | 735 |
| | | | | 1552-371 | 1/6/2010 | 00344 | | 460 | 30 | 209 | | 728 |
| 37.5 | Dunkard Creek @ Blacksville | 39° 43' 15.7" | 80° 13' 20.6" | 1552 | 9/17/2009 | Field Data Only | | | | | | 4030 |
| | | | | 1552 | 9/21/2009 | Field Data Only | | | | | | 4760 |
| | | | | 1552-214 | 9/29/2009 | 34471 | | 2400 | 383 | 1066 | 2.5 | 3610 |
| | | | | 1552-240 | 10/6/2009 | 35252 | | 1632 | 219 | 743 | 1.4 | 2490 |
| | | | | 1552-274 | 10/21/2009 | 37171 | | 528 | 56.1 | 198 | 0.3 | 811 |
| | | | | 1552-302 | 11/4/2009 | 39207 | | 444 | 39 | 180 | 0.2 | 712 |
| | | | | 1552-323 | 11/18/2009 | 40446 | | 1080 | 115 | 476 | 0.6 | 1612 |
| | | | | 1552-338 | 12/2/2009 | 41541 | | 862 | 99.4 | 361 | 0.6 | 1354 |
| | | | | 1552-355 | 12/16/2009 | 43375 | | 268 | 21.9 | 93.5 | | 474 |
| | | | | 1552-372 | 1/6/2010 | 00345 | | 344 | 37.3 | 129 | 0.2 | 569 |
| | | | | 0552-928 | 8/11/2010 | 25782 | | 1106 | 73.4 | 581 | 0.5 | 1674 |
| | | | | 0552-942 | 8/25/2010 | 27380 | | 964 | 66.4 | 459 | 0.4 | 1466 |
| | | | | 0552-955 | 9/8/2010 | 28666 | | 894 | 69.8 | 417 | 0.4 | 1339 |
| | | | | 0552-969 | 9/22/2010 | 29696 | | 1486 | 101 | 787 | 0.6 | 2157 |
| 0552-983 | 10/6/2010 | 31161 | | 1070 | 75.4 | 558 | 0.4 | 1651 | | | | |
| 0552-997 | 10/20/2010 | 32721 | | 1266 | 94.1 | 695 | 0.5 | 1960 | | | | |
| 30.3 | Dunkard Creek @ Route 7 bridge in Pentress | 39° 42' 43" | 80° 9' 43" | 1552-214 | 9/29/2009 | 34471 | | 2234 | 381 | 975 | 2.6 | 3390 |
| | | | | 1552-242 | 10/6/2009 | 35245 | | 1772 | 282 | 789 | 1.9 | 2780 |
| | | | | 1552-276 | 10/21/2009 | 37148 | | 524 | 59.8 | 186 | 0.4 | 813 |
| | | | | 1552-303 | 11/4/2009 | 39208 | | 404 | 39.9 | 148 | 0.2 | 664 |
| | | | | 1552-324 | 11/18/2009 | 40451 | | 692 | 77 | 272 | 0.5 | 1084 |
| | | | | 1552-339 | 12/2/2009 | 41516 | | 992 | 107 | 445 | 0.7 | 1530 |
| | | | | 1552-356 | 12/16/2009 | 43391 | | 314 | 32.2 | 105 | 0.2 | 507 |
| | | | | 1552-373 | 1/6/2010 | 00346 | | 342 | 37.5 | 114 | 0.2 | 543 |
| | | | | 0552-929 | 8/11/2010 | 25783 | | 694 | 72.3 | 315 | 0.5 | 1100 |
| | | | | 0552-943 | 8/25/2010 | 27381 | | 1242 | 112 | 595 | 0.7 | 1848 |
| | | | | 0552-956 | 9/8/2010 | 28667 | | 1096 | 114 | 528 | 0.9 | 1634 |
| | | | | 0552-970 | 9/22/2010 | 29697 | | 744 | 105 | 261 | 0.8 | 1136 |
| 0552-984 | 10/6/2010 | 31162 | | 1188 | 91.6 | 556 | 0.6 | 1671 | | | | |

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|--------------------|---|------------------|---------------|---------------|-------------------|------------|----------------------|--------------------|--------------------|-------------------|-------------------|--------------------------------------|
| RMI | SAMPLE LOCATION | LATITUDE | LONGITUDE | SAMPLE ID# | DATE COLLECTED | LAB ID# | CRITERIA (BASIS) | 500 Avg 750 Max | 250 (PWS) | 250 (PWS) | | |
| | | | | 0552-998 | 10/20/2010 | 32722 | | 1228 | 125 | 563 | <0.2 | 1784 |
| 22.8 | Dunkard Creek @ Mason Dixon Park | 39° 42' 55.7" | 80° 06' 40.8" | 1552-129 | 9/15/2009 | 06810 | | 1518 | 248 | 647 | 1.6 | 2330 |
| | | | | 1552-179 | 9/21/2009 | 33375 | | 1726 | 241 | 776 | 1.6 | 2600 |
| | | | | 1552-216 | 9/29/2009 | 34472 | | 1752 | 276 | 738 | 1.9 | 2680 |
| | | | | 1552-244 | 10/6/2009 | 35246 | | 1722 | 300 | 740 | 2 | 2750 |
| | | | | 1552-278 | 10/21/2009 | 37149 | | 520 | 52.3 | 197 | 0.3 | 814 |
| | | | | 1552-304 | 11/4/2009 | 39209 | | 386 | 34 | 135 | | 622 |
| | | | | 1552-325 | 11/18/2009 | 40452 | | 548 | 50 | 203 | 0.3 | 847 |
| | | | | 1552-340 | 12/2/2009 | 41517 | | 992 | 107 | 445 | 0.7 | 1530 |
| | | | | 1552-357 | 12/16/2009 | 43392 | | 316 | 30.4 | 102 | | 500 |
| | | | | 1552-374 | 1/6/2010 | 00347 | | 290 | 29.2 | 94.1 | | 474 |
| | | | | 0552-930 | 8/11/2010 | 25835 | | 594 | 65.1 | 248 | 0.4 | 951 |
| | | | | 0552-944 | 8/25/2010 | 27389 | | 788 | 73.4 | 354 | 0.5 | 1193 |
| | | | | 0552-957 | 9/8/2010 | 28699 | | 392 | 40.27 | 79.93 | 0.3 | 1511 |
| | | | | 0552-971 | 9/22/2010 | 29725 | | 660 | 88.6 | 248 | 0.6 | 1069 |
| | | | | 0552-985 | 10/6/2010 | 31135 | | 752 | 84.7 | 338 | 0.6 | 1222 |
| 0552-999 | 10/20/2010 | 32715 | | 864 | 76.8 | 377 | 0.5 | 1284 | | | | |
| | | | | CMU* | 9/17/2009 | NA | | 550 | 231 | 310 | 0.800 | |
| | | | | CMU* | 9/22/2009 | NA | | 1045 | 213 | 440 | 0.680 | |
| | | | | CMU* | 9/29/2009 | NA | | 1394 | 0 | 1047 | 1.10 | |
| | | | | CMU* | 10/6/2009 | NA | | 1631 | ----- | 863 | 0.885 | |
| | | | | CMU* | 10/13/2009 | NA | | 336 | 336 | 216 | <0.40 | |
| | | | | CMU* | 10/20/2009 | NA | | 334 | 67 | 249 | 0.117 | |
| | | | | CMU* | 10/27/2009 | NA | | 347 | 61 | 152 | 0.123 | |
| | | | | CMU* | 11/3/2009 | NA | | 288 | 38 | 138 | 0.161 | |
| | | | | CMU* | 11/10/2009 | NA | | 280 | 49 | 149 | 0.066 | |
| | | | | CMU* | 11/17/2009 | NA | | 454 | 59 | 211 | 0.070 | |
| | | | | CMU* | 11/24/2009 | NA | | 342 | 107 | 413 | 0.954 | |
| | | | | CMU* | 12/1/2009 | NA | | 762 | 107 | 413 | 0.954 | |
| | | | | CMU* | 12/8/2009 | NA | | 248 | 63 | 188 | 0.150 | |
| | | | | CMU* | 12/15/2009 | NA | | 278 | 20 | 79 | 0.040 | |
| | | | | CMU* | 1/5/2010 | NA | | ---- | ---- | ---- | ---- | |
| | | | | CMU* | 1/12/2010 | NA | | 452 | 116 | 159 | 0.313 | |
| | | | | CMU* | 1/19/2010 | NA | | 198 | 52 | 80 | 0.055 | |
| | | | | CMU* | 2/3/2010 | NA | | 436 | 150 | 125 | 0.028 | |

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|--------------------|--------------------|----------|-----------|---------------|-------------------|------------|----------------------|--------------------|--------------------|-------------------|-------------------|--------------------------------------|
| RMI | SAMPLE LOCATION | LATITUDE | LONGITUDE | SAMPLE ID# | DATE COLLECTED | LAB ID# | CRITERIA (BASIS) | 500 Avg 750 Max | 250 (PWS) | 250 (PWS) | | |
| 15 | East Dunkard | | | CMU* | 2/23/2010 | NA | | 730 | 250 | 168 | 0.332 | |
| | | | | CMU* | 3/9/2010 | NA | | 284 | 30 | 77 | 0.060 | |
| | | | | CMU* | 3/23/2010 | NA | | 588 | 30 | 77 | 0.060 | |
| | | | | CMU* | 4/6/2010 | NA | | 630 | 69 | 182 | 0.193 | |
| | | | | CMU* | 4/20/2010 | NA | | 656 | 77 | 203 | 0.376 | |
| | | | | CMU* | 5/4/2010 | NA | | 546 | 47 | 83 | 0.482 | |
| | | | | CMU* | 5/18/2010 | NA | | 512 | 79 | 107 | <0.01 | |
| | | | | CMU* | 5/25/2010 | NA | | 368 | 65 | 193 | 0.242 | |
| | | | | CMU* | 6/1/2010 | NA | | 552 | 79 | 250 | 0.305 | |
| | | | | CMU* | 6/8/2010 | NA | | 676 | 79 | 101 | 0.025 | |
| | | | | CMU* | 6/15/2010 | NA | | 582 | 102 | 373 | 0.443 | |
| | | | | CMU* | 6/29/2010 | NA | | 588 | 128 | 365 | 0.523 | |
| | | | | CMU* | 7/5/2010 | NA | | 638 | 121 | 341 | 0.429 | |
| | | | | CMU* | 7/13/2010 | NA | | 714 | 81 | 281 | 0.490 | |
| | | | | CMU* | 7/22/2010 | NA | | 400 | 58 | 200 | 0.420 | |
| | | | | CMU* | 7/27/2010 | NA | | 390 | 33 | 133 | 0.203 | |
| | | | | CMU* | 8/5/2010 | NA | | 354 | 110 | 132 | 0.268 | |
| | | | | CMU* | 8/10/2010 | NA | | 658 | 138 | 499 | 0.745 | |
| | | | | CMU* | 8/17/2010 | NA | | 472 | 63 | 233 | 0.302 | |
| | | | | CMU* | 8/24/2010 | NA | | 492 | 57 | 206 | 0.450 | |
| | | | | CMU* | 8/31/2010 | NA | | 478 | 68 | 251 | 0.518 | |
| | | | | CMU* | 9/7/2010 | NA | | 546 | 64 | 226 | 0.271 | |
| | | | | CMU* | 9/14/2010 | NA | | 580 | 70 | 242 | 0.284 | |
| | | | | CMU* | 9/21/2010 | NA | | 838 | 88 | 453 | 0.373 | |
| | | | | CMU* | 9/29/2010 | NA | | 1348 | 252 | 1036 | 1.292 | |
| | | | | CMU* | 10/7/2010 | NA | | 744 | 73 | 368 | 0.254 | |
| | | | | CMU* | 10/11/2010 | NA | | 624 | 77 | 295 | 0.234 | |
| | | | | CMU* | 10/19/2010 | NA | | 760 | 109 | 502 | 0.294 | |
| | | | | CMU* | 10/26/2010 | NA | | 710 | 79 | 415 | 0.262 | |
| | | | | CMU* | 11/3/2010 | NA | | 290 | 78 | 240 | 0.218 | |
| CMU* | 12/14/2010 | NA | | 224 | 45 | 97 | 0.136 | | | | | |
| CMU* | 1/19/2011 | NA | | 704 | 36 | 154 | 0.182 | | | | | |
| CMU* | 2/16/2011 | NA | | 645 | 29 | 95 | 0.129 | | | | | |
| CMU* | 3/16/2011 | NA | | 368 | 102 | 255 | 0.172 | | | | | |

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| SAMPLE INFORMATION | | | | | | | | | | | | |
|--------------------|---|------------------|---------------|---------------|-------------------|------------|----------------------|--------------------|--------------------|-------------------|-------------------|--------------------------------------|
| | | | | | | | PARAMETER (UNITS) | TDS ** (mg/L) | CHLORIDE (mg/L) | SULFATE (mg/L) | BROMIDE (mg/L) | SPECIFIC CONDUCTANCE (umhos/c) |
| RMI | SAMPLE LOCATION | LATITUDE | LONGITUDE | SAMPLE ID# | DATE COLLECTED | LAB ID# | CRITERIA (BASIS) | 500 Avg 750 Max | 250 (PWS) | 250 (PWS) | | |
| 13 | Dunkard Creek DC5 | | | 7485-701 | 10/21/2008 | 38485 | | 1182 | 153 | 570 | | |
| 10.9 | Dunkard Creek @ end of Bald Hill Church Road | 39° 45' 20.0" | 80° 00' 43.4" | 1552-100 | 9/10/2009 | 06686 | | 1008 | 152 | 406 | 0.9 | 1575 |
| | | | | 1552-135 | 9/15/2009 | 06811 | | 1186 | 192 | 473 | 1.2 | 1870 |
| | | | | 1552-183 | 9/21/2009 | 33379 | | 1162 | 189 | 447 | 1.3 | 1774 |
| | | | | 1552-218 | 9/29/2009 | 34467 | | 1316 | 196 | 556 | 1.3 | 2022 |
| | | | | 1552-246 | 10/6/2009 | 35243 | | 1504 | 240 | 637 | 1.7 | 2340 |
| | | | | 1552-280 | 10/21/2009 | 37164 | | 472 | 45 | 172 | 0.3 | 750 |
| | | | | 1552-305 | 11/4/2009 | 39193 | | 344 | 29 | 115 | | 583 |
| | | | | 1552-326 | 11/18/2009 | 40453 | | 444 | 36 | 151 | 0.2 | 702 |
| | | | | 1552-341 | 12/2/2009 | 41518 | | 700 | 70 | 259 | 0.5 | 1057 |
| | | | | 1552-358 | 12/16/2009 | 43393 | | 250 | 19 | 68 | | 401 |
| | | | | 1552-375 | 1/6/2010 | 00348 | | 302 | 29 | 92 | | 482 |
| | | | | 0552-931 | 8/11/2010 | 25836 | | 672 | 43 | 136 | 0.2 | |
| | | | | 0552-945 | 8/25/2010 | 27390 | | 522 | 55 | 187 | 0.3 | 820 |
| | | | | 0552-958 | 9/8/2010 | 28700 | | 548 | 48 | 188 | 0.2 | 844 |
| | | | | 0552-972 | 9/22/2010 | 29726 | | 710 | 65 | 292 | 0.4 | 1115 |
| 0552-986 | 10/6/2010 | 31136 | | 824 | 82 | 356 | 0.6 | 1246 | | | | |
| 0552-001 | 10/20/2010 | 32716 | | 666 | 61 | 274 | 0.3 | 1047 | | | | |
| 10.8 | SHANNOPIN MINE DISCHARGE | 39° 45' 20.3" | 80° 00' 35.0" | 1552-141 | 9/15/2009 | 32737 | | 12782 | 252 | 8285 | 1.6 | 13660 |
| | | | | 1552-187 | 9/21/2009 | 34468 | | 12734 | 258 | 7878 | 1.9 | 13460 |
| | | | | 1552-220 | 9/29/2009 | 34468 | | 13024 | 270 | 8006 | 1.8 | 14020 |
| | | | | 1552-248 | 10/6/2009 | 35244 | | 11098 | 157 | 6914 | 1.2 | 11800 |
| | | | | 1552-282 | 10/21/2009 | 37165 | | 12194 | 318 | 7533 | 2 | 13320 |
| | | | | 1552-306 | 11/4/2009 | 39194 | | 12722 | 263 | 7969 | 1.8 | 13810 |
| | | | | 1552-327 | 11/18/2009 | 40447 | | 10532 | 297 | 6507 | 2.1 | 12410 |
| | | | | 1552-342 | 12/2/2009 | 41543 | | 13362 | 149 | 6711 | 1.1 | 11660 |
| | | | | 1552-376 | 1/6/2010 | 00353 | | 636 | 27 | 321 | | 894 |
| | | | | 1552-388 | 1/20/2010 | 01541 | | 11468 | 313 | 7396 | 2.2 | 13700 |
| | | | | 7485-704 | 10/21/2008 | 38488 | | 13290 | 343 | 8865 | | |
| | | | | 0552-932 | 8/11/2010 | 25861 | | 11040 | 243 | 7419 | 8.3 | |
| | | | | 0552-946 | 8/25/2010 | 27387 | | 10792 | 235 | 7010 | 1.6 | 11500 |
| | | | | 0552-959 | 9/8/2010 | 28651 | | 10634 | 243 | 6989 | 1.6 | 10910 |
| | | | | 0552-973 | 9/22/2010 | 29656 | | 10068 | 202 | 6676 | 1.3 | 10750 |
| 0552-987 | 10/6/2010 | 31132 | | 12358 | 200 | 8128 | 1.4 | 12308 | | | | |

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| SAMPLE INFORMATION | | | | | | | PARAMETER (UNITS) | TDS ** (mg/L) | CHLORIDE (mg/L) | SULFATE (mg/L) | BROMIDE (mg/L) | SPECIFIC CONDUCTANCE (umhos/c) |
|--------------------|--|------------------|-------------------|---------------|-------------------|------------|----------------------|--------------------|--------------------|-------------------|-------------------|--------------------------------------|
| RMI | SAMPLE LOCATION | LATITUDE | LONGITUDE | SAMPLE ID# | DATE COLLECTED | LAB ID# | CRITERIA (BASIS) | 500 Avg 750 Max | 250 (PWS) | 250 (PWS) | | |
| | | | | 0552-002 | 10/20/2010 | 32760 | | 12264 | 211 | 7966 | 1.4 | 12100 |
| 9.8 | Dunkard Creek DC5B | | | 7485-702 | 10/21/2008 | 38486 | | 1038 | 128 | 498 | | |
| 9.5 | Dunkard Creek DC6 | | | 7485-703 | 10/21/2008 | 38487 | | 9552 | 257 | 6171 | | |
| 6.7 | Dunkard Creek @ LR2008 Bridge | N 39° 44' 52" | W 079° 58' 46" | 1552-192 | 9/21/2009 | 33347 | | 9410 | 190 | 5832 | 1.4 | 10500 |
| | | | | 1552-222 | 9/29/2009 | 34469 | | 5470 | 202 | 3151 | 1.4 | 6510 |
| | | | | 1552-250 | 10/6/2009 | 35242 | | 6828 | 222 | 4185 | 1.6 | 8010 |
| | | | | 1552-284 | 10/21/2009 | 37162 | | 3640 | 129 | 2156 | 0.8 | 4670 |
| | | | | 1552-307 | 11/4/2009 | 39195 | | 3344 | 96 | 2010 | 0.6 | 4270 |
| | | | | 1552-328 | 11/18/2009 | 40448 | | 5728 | 134 | 3511 | 1 | 6760 |
| | | | | 1552-343 | 12/2/2009 | 41544 | | 2860 | 105 | 1650 | 0.6 | 3670 |
| | | | | 1552-360 | 12/16/2009 | 43388 | | 288 | 21 | 83 | | 438 |
| | | | | 1552-377 | 1/6/2010 | 00354 | | 338 | 32 | 115 | | 532 |
| 4.6 | USGS Shannopin Gauge | 39° 45' 33" | 79° 58' 15" | NA | 9/10/2009 | Gage Data | | | | | | broken |
| | | | | NA | 9/15/2009 | Gage Data | | | | | | broken |
| | | | | NA | 9/17/2009 | Gage Data | | | | | | broken |
| | | | | NA | 9/21/2009 | Gage Data | | | | | | broken |
| | | | | NA | 9/29/2009 | Gage Data | | | | | | 5140 |
| | | | | NA | 10/6/2009 | Gage Data | | | | | | 8170 |
| | | | | NA | 10/21/2009 | Gage Data | | | | | | 3990 |
| | | | | NA | 11/4/2009 | Gage Data | | | | | | 4370 |
| | | | | NA | 11/18/2009 | Gage Data | | | | | | 6100 |
| | | | | NA | 12/2/2009 | Gage Data | | | | | | 6440 |
| | | | | NA | 12/16/2009 | Gage Data | | | | | | 1100 |
| | | | | NA | 1/6/2010 | Gage Data | | | | | | 499 |
| | | | | 0552-933 | 8/11/2010 | 35862 | | 2300 | 78 | 1479 | 0.5 | |
| | | | | 0552-947 | 8/25/2010 | 27388 | | 2124 | 78 | 1306 | 0.5 | 2900 |
| | | | | 0552-960 | 9/8/2010 | 28652 | | 3884 | 114 | 2540 | 0.7 | 4810 |
| | | | | 0552-974 | 9/22/2010 | 29657 | | 3008 | 113 | 1736 | 0.7 | 3760 |
| | | | | 0552-988 | 10/6/2010 | 31133 | | 1942 | 88 | 1129 | 0.6 | 2620 |
| 0552-003 | 10/20/2010 | 32761 | | 2588 | 45 | 1749 | 0.2 | 3110 | | | | |

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| SAMPLE INFORMATION | | | | | | | | | | | | |
|--------------------|--|-------------------|--------------------|---------------|-------------------|------------|----------------------|--------------------|--------------------|-------------------|-------------------|--------------------------------------|
| | | | | | | | PARAMETER (UNITS) | TDS ** (mg/L) | CHLORIDE (mg/L) | SULFATE (mg/L) | BROMIDE (mg/L) | SPECIFIC CONDUCTANCE (umhos/c) |
| RMI | SAMPLE LOCATION | LATITUDE | LONGITUDE | SAMPLE ID# | DATE COLLECTED | LAB ID# | CRITERIA (BASIS) | 500 Avg 750 Max | 250 (PWS) | 250 (PWS) | | |
| 4 | Dunkard Creek DC7 | | | 7485-705 | 10/21/2008 | 38489 | | 9238 | 240 | 6398 | | |
| 3.46 | Algae Sampling Point | N 39°45' 47.3" | W 079°56' 54.8" | 0577-012 | 11/18/2009 | 40484 | | 776 | 22 | 450 | <0.2 | 3810 |
| 2.95 | Dunkard Creek DC8A | | | 7485-706 | 10/21/2008 | 38490 | | 8752 | 222 | 5878 | | |
| 1 | Dunkard Creek DC8A | | | 7485-707 | 10/21/2008 | 38491 | | 560 | 18 | 319 | | |
| 0.1 | RMI 0.5 Mouth of Dunkard Creek Under 88 Brdg | N 39° 45' 51" | W 079° 56' 17" | 1552-196 | 9/21/2009 | 33339 | | 400 | 12 | 185 | | 519 |
| | | | | 1552-224 | 9/29/2009 | 34476 | | 568 | 17 | 309 | | 826 |
| | | | | 1552-252 | 10/6/2009 | 35241 | | 382 | 14 | 211 | | 641 |
| | | | | 1552-286 | 10/21/2009 | 37163 | | 428 | 16 | 234 | | 642 |
| | | | | 1552-308 | 11/4/2009 | 39235 | | 142 | 6 | 64 | | 236 |
| | | | | 1552-329 | 11/18/2009 | 40520 | | 446 | 13 | 252 | | 655 |
| | | | | 1552-344 | 12/2/2009 | 41547 | | 230 | 7 | 123 | | 379 |
| | | | | 1552-361 | 12/16/2009 | 43389 | | 278 | 18 | 88 | | 431 |
| | | | | 0593-020 | 10/15/2008 | 37432 | | 594 | 19.3 | NA | | 1434 |
| | | | | 0593-029 | 10/22/2008 | 39040 | | 1866 | 49.6 | 1135 | | 2681 |
| | | | | 0552-879 | 11/17/2008 | 42551 | | | | | 1500 | |

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| SAMPLE INFORMATION | | | | | | | | | | | | |
|--------------------|---|------------------|---------------|---------------|-------------------|--------------------|---------------|---------------|-----------------------------|--------------------------------|------------------------------|--------------------|
| | | | | | | | FLOW (cfs) | FLOW (MGD) | AVG Velocity (ft/sec) | AVG VELOCITY (miles/day) | TEMPERATURE FIELD (°C) | pH FIELD (s.u.) |
| RMI | SAMPLE LOCATION | LATITUDE | LONGITUDE | SAMPLE ID# | DATE COLLECTED | LAB ID# | | | | | | |
| 1.1 | PA Fork Dunkard Creek | 39° 43' 44.6" | 80° 16' 42.8" | 1552-075 | 9/10/2009 | 06681 | | | | | 18.1 | 7.9 |
| | | | | 1552-111 | 9/15/2009 | 06807 | | | | | 19.2 | 7.6 |
| | | | | 1552-159 | 9/21/2009 | 33355 | 0.32 | 0.21 | 0.01 | 0.18 | 18.7 | 8.1 |
| | | | | 1552-200 | 9/29/2009 | 34473 | 1.9 | 1.2 | 0.05 | 0.9 | 14.4 | 7.9 |
| | | | | 1552-228 | 10/6/2009 | 35248 | 1.4 | 0.9 | 0.04 | 0.66 | 11 | 7.4 |
| | | | | 1552-260 | 10/21/2009 | 37169 | 6.2 | 4 | 0.15 | 2.5 | 9.9 | |
| | | | | 1552-296 | 11/4/2009 | 39186 | 7.45 | 4.8 | 0.162 | 2.65 | 7.6 | 8.1 |
| | | | | 1552-317 | 11/18/2009 | 40449 | 2.85 | 1.8 | 0.237 | 3.88 | 10.5 | 7.8 |
| | | | | 1552-332 | 12/2/2009 | 41519 | 6.34 | 4.1 | 0.144 | 2.36 | 7.4 | 7.9 |
| | | | | 1552-349 | 12/16/2009 | 43385 | 25.6 | 16.5 | 0.438 | 7.16 | 5.1 | 7.5 |
| | | | | 1552-366 | 1/6/2010 | 00349 | | | | | 2.8 | 7.3 |
| | | | | 1552-383 | 1/20/2010 | 01538 | 97.88 | 63.3 | 1.605 | 26.25 | 6.1 | 7.9 |
| | | | | 0552-922 | 8/11/2010 | 25779 | 0.83 | 0.536 | 0.023 | | 24.1 | 7.5 |
| | | | | 0552-936 | 8/25/2010 | 27336 | 0.83 | 0.533 | 0.049 | | 21 | 7.6 |
| | | | | 0552-949 | 9/8/2010 | 28689 | 0.5 | 0.3 | 0.029 | | 18.9 | 7 |
| | | | | 0552-963 | 9/22/2010 | 29661 | 0.22 | 0.13 | 0.012 | | 17.2 | 7.4 |
| 0552-977 | 10/6/2010 | 31139 | 2.83 | 1.83 | 0.116 | | 10.9 | 7.5 | | | | |
| 0552-991 | 10/20/2010 | 32724 | 0.71 | 0.458 | 0.215 | | 8.7 | 7.9 | | | | |
| 0.6 | WV Fork Dunkard Creek 50' US Outfall 003 | 39° 42' 48" | 80° 17' 17" | 1552 | 9/15/2009 | Field Data Only | | | | | | |
| | | | | | 9/21/2009 | | | | | | 20 | |
| | | | | 1552-202 | 9/29/2009 | 34474 | 5 | 3.2 | 0.3 | 5 | 14.1 | 8.2 |
| | | | | 1552-230 | 10/6/2009 | 35249, | | | | | 12.7 | 7.5 |
| | | | | 1552-264 | 10/21/2009 | 37173 | | | | | 9.7 | |
| | | | | 1552-297 | 11/4/2009 | 39187 | | | | | 7.6 | 8.4 |
| | | | | 1552-318 | 11/18/2009 | 40450 | | | | | 10.1 | 7.9 |
| | | | | 1552-333 | 12/2/2009 | 41520 | | | | | 6.0 | 7.9 |
| | | | | 1552-350 | 12/16/2009 | 43387 | | | | | 3.5 | 7.3 |
| | | | | 1552-367 | 1/6/2010 | 00350 | | | | | 1.2 | 7.0 |
| | | | | 1552-384 | 1/20/2010 | 01539 | | | | | 6.0 | 7.5 |
| | | | | 0552-923 | 8/11/2010 | 25793 | | | | | | |
| | | | | 0552-937 | 8/25/2010 | 27337 | 14.3 | 1.24 | na weir | | 22.3 | 8 |
| | | | | 0552-950 | 9/8/2010 | 28690 | 0.06 | 0.039 | | | 20.4 | 7.6 |
| 0552-964 | 9/22/2010 | 29662 | 0.47 | 0.3 | | | 19.2 | 7.8 | | | | |
| 0552-978 | 10/6/2010 | 31140 | 1.3 | 0.84 | | | 11.6 | 7.6 | | | | |

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| SAMPLE INFORMATION | | | | | | | | | | | | |
|--------------------|---|------------------|---------------|---------------|-------------------|--------------------|---------------|---------------|-----------------------------|--------------------------------|------------------------------|--------------------|
| | | | | | | | FLOW (cfs) | FLOW (MGD) | AVG Velocity (ft/sec) | AVG VELOCITY (miles/day) | TEMPERATURE FIELD (°C) | pH FIELD (s.u.) |
| RMI | SAMPLE LOCATION | LATITUDE | LONGITUDE | SAMPLE ID# | DATE COLLECTED | LAB ID# | | | | | | |
| | | | | 0552-992 | 10/20/2010 | 32725 | 0.31 | 0.84 | | | 9.9 | 8.2 |
| 0.5 | Blacksville #2 discharge from Beaver Pond or Pond Itself Outfall 003 | 39° 42' 52" | 80° 17' 15" | 0552-925 | 8/11/2010 | 25794 | NA | NA | NA | | 29.8 | 9.1 |
| | | | | 0552-939 | 8/25/2010 | ND | ND | ND | ND | | No Discharge | ND |
| | | | | 0552-952 | 9/8/2010 | ND | ND | ND | ND | | No Discharge | ND |
| | | | | 0552-966 | 9/22/2010 | ND | ND | ND | ND | | No Discharge | ND |
| | | | | 0552-979 | 10/6/2010 | ND | ND | ND | ND | | No Discharge | ND |
| | | | | 0552-994 | 10/20/2010 | ND | ND | ND | ND | | No Discharge | ND |
| 0.4 | Blacksville #2 Mine Outfall 005 Discharge to WV Fork 2000' US jct PA Fork @ Shamrock | 39° 43' 07.6" | 80° 16' 38.8" | 1552 | 9/15/2009 | Field Data Only | | | | | | |
| | | | | 1552-148 | 9/17/2009 | 33133 | | 0.2500 | | | 21.9 | |
| | | | | 1552-167 | 9/21/2009 | 33363 | | 0.0250 | | | 22.2 | 7.8 |
| | | | | 1552-204 | 9/29/2009 | 34475 | | 0.0216 | | | 13.8 | 7.9 |
| | | | | 1552-232 | 10/6/2009 | 35250 | | 0.0050 | | | 13.2 | 6.9 |
| | | | | 1552-266 | 10/21/2009 | 37174 | | 0.0173 | | | 10.6 | |
| | | | | 1552-298 | 11/4/2009 | 39188 | | 0.017 | | | 8.1 | 7.6 |
| | | | | 1552-319 | 11/18/2009 | 40504 | | 0.006 | | | 9.8 | 7.3 |
| | | | | 1552-334 | 12/2/2009 | 41545 | | 0.006 | | | 6.6 | 7.4 |
| | | | | 1552-351 | 12/16/2009 | 43377 | | 0.052 | | | 2.3 | 7.2 |
| | | | | 1552-368 | 1/6/2010 | 00351 | | 0.032 | | | 1.9 | 7.1 |
| | | | | 1552-385 | 1/20/2010 | 01515 | | 0.13 | | | 5.2 | 7.3 |
| | | | | 0552-938 | 8/25/2010 | ND | ND | ND | ND | | No Discharge | ND |
| | | | | 0552-950 | 9/8/2010 | ND | ND | ND | ND | | No Discharge | ND |
| | | | | 0552-965 | 9/22/2010 | ND | ND | ND | ND | | No Discharge | ND |
| | | | | 0552-980 | 10/6/2010 | ND | ND | ND | ND | | No Discharge | ND |
| 0552-993 | 10/20/2010 | ND | ND | ND | ND | | No Discharge | ND | | | | |
| | | | | 1552-090 | 9/10/2009 | 06684 | | | | 22.6 | 8.5 | |
| | | | | 1552-117 | 9/15/2009 | 06808 | | | | 20.6 | 8.1 | |
| | | | | 1552-151 | 9/17/2009 | 33136 | | | | | | |
| | | | | 1552-163 | 9/21/2009 | 33359 | 0.61 | 0.39 | 0.08 | 1.3 | 20.9 | 8.3 |
| | | | | 1552-206 | 9/29/2009 | 34478 | 4.5 | 2.9 | 0.41 | 6.7 | 14.2 | 8.3 |
| | | | | 1552-234 | 10/6/2009 | 35253 | 1.62 | 1 | 0.18 | 2.9 | 14.4 | 7.4 |
| | | | | 1552-268 | 10/21/2009 | 37185 | 6.8 | 4.4 | 0.52 | 8.5 | 10.7 | |
| | | | | 1552-299 | 11/4/2009 | 39189 | 10.87 | 7.0 | 0.604 | 9.88 | 7.4 | 8.4 |

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| SAMPLE INFORMATION | | | | | | | | | | | | |
|--------------------|-----------------------------|--------------------|---------------------|---------------|-------------------|------------|---------------|---------------|-----------------------------|--------------------------------|------------------------------|--------------------|
| | | | | | | | FLOW (cfs) | FLOW (MGD) | AVG Velocity (ft/sec) | AVG VELOCITY (miles/day) | TEMPERATURE FIELD (°C) | pH FIELD (s.u.) |
| RMI | SAMPLE LOCATION | LATITUDE | LONGITUDE | SAMPLE ID# | DATE COLLECTED | LAB ID# | | | | | | |
| 0.2 | WV Fork Dunkard Creek | 39° 43' 18.3" | 80° 16' 25.1" | 1552-320 | 11/18/2009 | 40505 | 3.42 | 2.2 | 0.611 | 9.99 | 10.2 | 7.8 |
| | | | | 1552-335 | 12/2/2009 | 41546 | 5.81 | 3.8 | 0.528 | 8.64 | 5.3 | 7.8 |
| | | | | 1552-352 | 12/16/2009 | 43378 | 24.18 | 15.6 | 0.863 | 14.13 | 2.6 | 7.2 |
| | | | | 1552-369 | 1/6/2010 | 00352 | | | | | 0.4 | 7.1 |
| | | | | 1552-386 | 1/20/2010 | 01540 | 79.15 | 51.2 | 1.779 | 29.1 | 5.1 | 7.2 |
| | | | | 0552-926 | 8/11/2010 | 25803 | 0.3 | 0.201 | 0.1 | | 26.7 | 7.8 |
| | | | | 0552-940 | 8/25/2010 | 27366 | 0.62 | 0.402 | 0.194 | | 22.8 | 8.5 |
| | | | | 0552-953 | 9/8/2010 | 28664 | 0.04 | 0.025 | 0.026 | | 19.2 | 7.6 |
| | | | | 0552-967 | 9/22/2010 | 29663 | 0.14 | 0.92 | 0.057 | | 19.6 | 7.8 |
| | | | | 0552-981 | 10/6/2010 | 31137 | 2.16 | 1.4 | 0.36 | | 11.5 | 7.9 |
| | | | | 0552-995 | 10/20/2010 | 32726 | 8.2 | 0.59 | 0.38 | 0.163 | 9.1 | 8.2 |
| 41 | Dunkard Creek @ Brave | 39° 43' 39.0" | 080° 15' 21.9" | 1552-085 | 9/10/2009 | 06683 | | | | | 21.9 | 8.3 |
| | | | | 1552-123 | 9/15/2009 | 06809 | | | | | 23.5 | 8.4 |
| | | | | 1552-171 | 9/21/2009 | 33367 | | | | | | 8.3 |
| | | | | 1552-208 | 9/29/2009 | 34479 | | | | | 15.4 | 8.4 |
| | | | | 1552-236 | 10/6/2009 | 35254 | | | | | 15.9 | 7.6 |
| | | | | 1552-270 | 10/21/2009 | 37184 | | | | | 11.5 | |
| | | | | 1552-300 | 11/4/2009 | 39190 | | | | | 7.9 | 8.1 |
| | | | | 1552-321 | 11/18/2009 | 40444 | | | | | 10.8 | 7.7 |
| | | | | 1552-336 | 12/2/2009 | 41539 | | | | | 5.7 | 7.8 |
| | | | | 1552-353 | 12/16/2009 | 43373 | | | | | 2.5 | 7 |
| | | | | 1552-370 | 1/6/2010 | 00343 | | | | | 0.3 | 7.2 |
| | | | | 1552-387 | 1/20/2010 | 01516 | | | | | 4.4 | 7.1 |
| | | | | 0552-927 | 8/11/2010 | 25804 | | | | | 5.1 | 7.2 |
| | | | | 0552-941 | 8/25/2010 | 27367 | | | | | 24 | 7.9 |
| | | | | 0552-954 | 9/8/2010 | 28665 | | | | | 22.1 | 8.4 |
| 0552-968 | 9/22/2010 | 29664 | | | | | 22.2 | 8.5 | | | | |
| 0552-982 | 10/6/2010 | 31138 | | | | | 12.7 | 7.7 | | | | |
| 0552-996 | 10/20/2010 | 32727 | | | | | 12.6 | 8.1 | | | | |
| 39.2 | Miracle Run @ Mouth | N 39° 43' 05.0" | W 080° 14' 28.8" | 1552-142 | 9/17/2009 | 33127 | | | | | 20.6 | |
| | | | | 1552-175 | 9/21/2009 | 33371 | 0.98 | 0.63 | 0.1 | 1.6 | 20.8 | 7.8 |
| | | | | 1552-208 | 9/29/2009 | 34479 | 4.3 | 2.8 | 0.3 | 4.9 | 14.3 | 7.9 |
| | | | | 1552-238 | 10/6/2009 | 35251 | 1 | 0.68 | 0.3 | 4.8 | 15 | 7.4 |
| | | | | 1552-272 | 10/21/2009 | 37172 | 7.6 | 4.9 | 1.4 | 23 | 12 | |
| | | | | 1552-301 | 11/4/2009 | 39191 | 6.4 | 4.1 | 0.441 | 7.22 | 7.7 | 8 |

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| SAMPLE INFORMATION | | | | | | | | | | | | |
|--------------------|--|------------------|---------------|---------------|-------------------|--------------------|---------------|---------------|-----------------------------|--------------------------------|------------------------------|--------------------|
| | | | | | | | FLOW (cfs) | FLOW (MGD) | AVG Velocity (ft/sec) | AVG VELOCITY (miles/day) | TEMPERATURE FIELD (°C) | pH FIELD (s.u.) |
| RMI | SAMPLE LOCATION | LATITUDE | LONGITUDE | SAMPLE ID# | DATE COLLECTED | LAB ID# | | | | | | |
| | | | | 1552-322 | 11/18/2009 | 40445 | 4.54 | 2.9 | 1.621 | 26.53 | 11.3 | 7.7 |
| | | | | 1552-337 | 12/2/2009 | 41540 | 7.3 | 4.7 | 1.973 | 32.23 | 4.4 | 7.6 |
| | | | | 1552-354 | 12/16/2009 | 43374 | 16.75 | 10.8 | 2.094 | 34.25 | 2.8 | 7 |
| | | | | 1552-371 | 1/6/2010 | 00344 | | | | | 0.4 | 7.3 |
| 37.5 | Dunkard Creek @ Blacksville | 39° 43' 15.7" | 80° 13' 20.6" | 1552 | 9/17/2009 | Field Data Only | | | | | 21.4 | 8.2 |
| | | | | 1552 | 9/21/2009 | Field Data Only | | | | | 21.3 | 8.7 |
| | | | | 1552-214 | 9/29/2009 | 34471 | 13.8 | 8.9 | 1.1 | 17.4 | 14.8 | 8.1 |
| | | | | 1552-240 | 10/6/2009 | 35252 | 5.8 | 3.7 | 0.66 | 10.8 | 15 | 7.7 |
| | | | | 1552-274 | 10/21/2009 | 37171 | 18.7 | 12.1 | 1.6 | 25 | 10.6 | |
| | | | | 1552-302 | 11/4/2009 | 39207 | 24.58 | 15.9 | 1.489 | 24.37 | 7.7 | 8.3 |
| | | | | 1552-323 | 11/18/2009 | 40446 | 11.48 | 7.4 | 0.897 | 14.67 | 11.5 | 7.7 |
| | | | | 1552-338 | 12/2/2009 | 41541 | 22.05 | 14.3 | 1.336 | 21.86 | 5 | 7.7 |
| | | | | 1552-355 | 12/16/2009 | 43375 | 86.23 | 55.7 | 1.658 | 27.13 | 3 | 7.3 |
| | | | | 1552-372 | 1/6/2010 | 00345 | | | | | 0.4 | 7.3 |
| | | | | 0552-928 | 8/11/2010 | 25782 | 3.72 | 2.4 | 0.451 | | 27.2 | 8 |
| | | | | 0552-942 | 8/25/2010 | 27380 | 3.03 | 1.957 | 0.327 | | 22.9 | 8.4 |
| | | | | 0552-955 | 9/8/2010 | 28666 | 0.25 | 0.16 | 0.08 | | 21 | 8 |
| | | | | 0552-969 | 9/22/2010 | 29696 | 1 | 0.64 | 0.068 | | 20.2 | 8 |
| 0552-983 | 10/6/2010 | 31161 | 15.89 | 10.3 | 1.35 | | 11.7 | 7.7 | | | | |
| 0552-997 | 10/20/2010 | 32721 | 2.83 | 1.823 | 0.441 | | 10 | 7.8 | | | | |
| 30.3 | Dunkard Creek @ Route 7 bridge in Pentress | 39° 42' 43" | 80° 9' 43" | 1552-214 | 9/29/2009 | 34471 | 18.3 | 11.8 | 0.43 | 7 | 15.5 | 8.3 |
| | | | | 1552-242 | 10/6/2009 | 35245 | 8.8 | 5.7 | 0.34 | 5.6 | 16.4 | 8.5 |
| | | | | 1552-276 | 10/21/2009 | 37148 | 28.8 | 18.6 | 0.67 | 10.9 | 12.8 | |
| | | | | 1552-303 | 11/4/2009 | 39208 | 33.13 | 21.4 | 0.631 | 10.32 | 8.6 | 8.2 |
| | | | | 1552-324 | 11/18/2009 | 40451 | 12.85 | 8.3 | 0.378 | 6.18 | 11.5 | 8 |
| | | | | 1552-339 | 12/2/2009 | 41516 | 41.71 | 27 | 1.127 | 18.44 | 5.4 | 7.7 |
| | | | | 1552-356 | 12/16/2009 | 43391 | 90.08 | 58.2 | 1.085 | 17.75 | 3.5 | 7.1 |
| | | | | 1552-373 | 1/6/2010 | 00346 | | | | | 1 | 7.1 |
| | | | | 0552-929 | 8/11/2010 | 25783 | 4.82 | 3.1 | | | 27.1 | 8.6 |
| | | | | 0552-943 | 8/25/2010 | 27381 | 4.35 | 2.8 | 0.132 | | 23.3 | 8.3 |
| | | | | 0552-956 | 9/8/2010 | 28667 | 2.2 | 1.37 | 0.125 | | 22.5 | 7.9 |
| | | | | 0552-970 | 9/22/2010 | 29697 | 4.9 | 3.17 | 0.223 | | 20.8 | 8 |
| 0552-984 | 10/6/2010 | 31162 | 22.3 | 14.4 | 0.46 | | 12.1 | 7.9 | | | | |

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| SAMPLE INFORMATION | | | | | | | | | | | | |
|--------------------|---|------------------|---------------|---------------|-------------------|------------|---------------|---------------|-----------------------------|--------------------------------|------------------------------|--------------------|
| | | | | | | | FLOW (cfs) | FLOW (MGD) | AVG Velocity (ft/sec) | AVG VELOCITY (miles/day) | TEMPERATURE FIELD (°C) | pH FIELD (s.u.) |
| RMI | SAMPLE LOCATION | LATITUDE | LONGITUDE | SAMPLE ID# | DATE COLLECTED | LAB ID# | | | | | | |
| | | | | 0552-998 | 10/20/2010 | 32722 | 6.3 | 4.071 | 0.315 | | 11.3 | 7.9 |
| 22.8 | Dunkard Creek @ Mason Dixon Park | 39° 42' 55.7" | 80° 06' 40.8" | 1552-129 | 9/15/2009 | 06810 | | | | | 23.7 | 8.8 |
| | | | | 1552-179 | 9/21/2009 | 33375 | 2.9 | 1.9 | 0.15 | 2.4 | 23.3 | 8.7 |
| | | | | 1552-216 | 9/29/2009 | 34472 | 28.4 | 18.4 | 0.72 | 11.8 | 15.2 | 8.4 |
| | | | | 1552-244 | 10/6/2009 | 35246 | 10 | 6.5 | 0.35 | 5.8 | 16.9 | 8.6 |
| | | | | 1552-278 | 10/21/2009 | 37149 | 35.3 | 22.8 | 0.95 | 15.6 | 15.1 | |
| | | | | 1552-304 | 11/4/2009 | 39209 | 46.51 | 30.1 | 1.191 | 19.48 | 8.5 | 8.5 |
| | | | | 1552-325 | 11/18/2009 | 40452 | 16.94 | 10.9 | 0.44 | 7.2 | 12.4 | 7.9 |
| | | | | 1552-340 | 12/2/2009 | 41517 | 41.71 | 27 | 1.127 | 18.44 | 5.4 | 7.7 |
| | | | | 1552-357 | 12/16/2009 | 43392 | 130.6 | 84.4 | 1.949 | 31.89 | 4 | 6.9 |
| | | | | 1552-374 | 1/6/2010 | 00347 | | | | | 1.1 | 7 |
| | | | | 0552-930 | 8/11/2010 | 25835 | 6.74 | 4.36 | | | 27.8 | 8.4 |
| | | | | 0552-944 | 8/25/2010 | 27389 | 7.5 | 4.85 | 0.246 | | 22.6 | 8.1 |
| | | | | 0552-957 | 9/8/2010 | 28699 | 5.3 | 3.4 | 0.19 | | 24.5 | 8 |
| | | | | 0552-971 | 9/22/2010 | 29725 | 2.4 | 1.56 | 0.089 | | 23.1 | 8.1 |
| | | | | 0552-985 | 10/6/2010 | 31135 | 33 | 21.6 | 0.867 | | 12 | 8 |
| | | | | 0552-999 | 10/20/2010 | 32715 | 9.59 | 6.198 | 0.274 | | 11.9 | 8.1 |
| | | | | CMU* | 9/17/2009 | NA | | | | | | |
| | | | | CMU* | 9/22/2009 | NA | | | | | | |
| | | | | CMU* | 9/29/2009 | NA | | | | | | |
| | | | | CMU* | 10/6/2009 | NA | | | | | | 8.17 |
| | | | | CMU* | 10/13/2009 | NA | | | | | | 7.2 |
| | | | | CMU* | 10/20/2009 | NA | | | | | | 6.65 |
| | | | | CMU* | 10/27/2009 | NA | | | | | | 6.62 |
| | | | | CMU* | 11/3/2009 | NA | | | | | | 6.85 |
| | | | | CMU* | 11/10/2009 | NA | | | | | | |
| | | | | CMU* | 11/17/2009 | NA | | | | | | 7.1 |
| | | | | CMU* | 11/24/2009 | NA | | | | | | |
| | | | | CMU* | 12/1/2009 | NA | | | | | | 7.15 |
| | | | | CMU* | 12/8/2009 | NA | | | | | | |
| | | | | CMU* | 12/15/2009 | NA | | | | | | |
| | | | | CMU* | 1/5/2010 | NA | | | | | | |
| | | | | CMU* | 1/12/2010 | NA | | | | | | |
| | | | | CMU* | 1/19/2010 | NA | | | | | | 6.74 |
| | | | | CMU* | 2/3/2010 | NA | | | | | | |

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| SAMPLE INFORMATION | | | | | | | | | | | |
|--------------------|--------------------|----------|-----------|---------------|-------------------|------------|---------------|---------------|-----------------------------|--------------------------------|------------------------------|
| | | | | | | | FLOW (cfs) | FLOW (MGD) | AVG Velocity (ft/sec) | AVG VELOCITY (miles/day) | TEMPERATURE FIELD (°C) |
| RMI | SAMPLE LOCATION | LATITUDE | LONGITUDE | SAMPLE ID# | DATE COLLECTED | LAB ID# | | | | | |
| 15 | East Dunkard | | | CMU* | 2/23/2010 | NA | | | | | |
| | | | | CMU* | 3/9/2010 | NA | | | | | 7.14 |
| | | | | CMU* | 3/23/2010 | NA | | | | | 7.16 |
| | | | | CMU* | 4/6/2010 | NA | | | | | 7.95 |
| | | | | CMU* | 4/20/2010 | NA | | | | | 8.02 |
| | | | | CMU* | 5/4/2010 | NA | | | | | 7.6 |
| | | | | CMU* | 5/18/2010 | NA | | | | | 7.27 |
| | | | | CMU* | 5/25/2010 | NA | | | | | 7.88 |
| | | | | CMU* | 6/1/2010 | NA | | | | | 7.86 |
| | | | | CMU* | 6/8/2010 | NA | | | | | 7.18 |
| | | | | CMU* | 6/15/2010 | NA | | | | | 7.93 |
| | | | | CMU* | 6/29/2010 | NA | | | | | 7.89 |
| | | | | CMU* | 7/5/2010 | NA | | | | | 8.08 |
| | | | | CMU* | 7/13/2010 | NA | | | | | 7.96 |
| | | | | CMU* | 7/22/2010 | NA | | | | | 8.09 |
| | | | | CMU* | 7/27/2010 | NA | | | | | 7.86 |
| | | | | CMU* | 8/5/2010 | NA | | | | | 8.19 |
| | | | | CMU* | 8/10/2010 | NA | | | | | 7.59 |
| | | | | CMU* | 8/17/2010 | NA | | | | | 7.96 |
| | | | | CMU* | 8/24/2010 | NA | | | | | 7.91 |
| | | | | CMU* | 8/31/2010 | NA | | | | | 8.05 |
| | | | | CMU* | 9/7/2010 | NA | | | | | 7.57 |
| | | | | CMU* | 9/14/2010 | NA | | | | | 8 |
| | | | | CMU* | 9/21/2010 | NA | | | | | 8.44 |
| | | | | CMU* | 9/29/2010 | NA | | | | | 7.33 |
| | | | | CMU* | 10/7/2010 | NA | | | | | 7.74 |
| | | | | CMU* | 10/11/2010 | NA | | | | | 7.93 |
| | | | | CMU* | 10/19/2010 | NA | | | | | 8.02 |
| | | | | CMU* | 10/26/2010 | NA | | | | | 7.33 |
| | | | | CMU* | 11/3/2010 | NA | | | | | 8.42 |
| CMU* | 12/14/2010 | NA | | | | | 7.4 | | | | |
| CMU* | 1/19/2011 | NA | | | | | 7.55 | | | | |
| CMU* | 2/16/2011 | NA | | | | | 7.67 | | | | |
| CMU* | 3/16/2011 | NA | | | | | 7.53 | | | | |

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| SAMPLE INFORMATION | | | | | | | | | | | | |
|--------------------|---|------------------|---------------|---------------|-------------------|------------|---------------|---------------|-----------------------------|--------------------------------|------------------------------|--------------------|
| | | | | | | | FLOW (cfs) | FLOW (MGD) | AVG Velocity (ft/sec) | AVG VELOCITY (miles/day) | TEMPERATURE FIELD (°C) | pH FIELD (s.u.) |
| RMI | SAMPLE LOCATION | LATITUDE | LONGITUDE | SAMPLE ID# | DATE COLLECTED | LAB ID# | | | | | | |
| 13 | Dunkard Creek DC5 | | | 7485-701 | 10/21/2008 | 38485 | | | | | | 8 |
| 10.9 | Dunkard Creek @ end of Bald Hill Church Road | 39° 45' 20.0" | 80° 00' 43.4" | 1552-100 | 9/10/2009 | 06686 | | | | | 22 | 8.6 |
| | | | | 1552-135 | 9/15/2009 | 06811 | | | | 24.8 | 8.5 | |
| | | | | 1552-183 | 9/21/2009 | 33379 | | | | 23.3 | 8.9 | |
| | | | | 1552-218 | 9/29/2009 | 34467 | | | | 15.9 | 8.2 | |
| | | | | 1552-246 | 10/6/2009 | 35243 | | | | 16.5 | 8.2 | |
| | | | | 1552-280 | 10/21/2009 | 37164 | | | | 14 | | |
| | | | | 1552-305 | 11/4/2009 | 39193 | | | | 9.3 | 8.4 | |
| | | | | 1552-326 | 11/18/2009 | 40453 | | | | 12.3 | 8.1 | |
| | | | | 1552-341 | 12/2/2009 | 41518 | 45.69 | 29.5 | 0.768 | 12.56 | 6.3 | 7.7 |
| | | | | 1552-358 | 12/16/2009 | 43393 | 178.15 | 115.1 | 1.392 | 22.77 | 4 | 7.1 |
| | | | | 1552-375 | 1/6/2010 | 00348 | | | | 1.4 | 7.3 | |
| | | | | 0552-931 | 8/11/2010 | 25836 | 8.2 | 5.3 | | 29 | 8.5 | |
| | | | | 0552-945 | 8/25/2010 | 27390 | 13.4 | 8.66 | 0.121 | 23.4 | 8.7 | |
| | | | | 0552-958 | 9/8/2010 | 28700 | 6.9 | 4.5 | 0.26 | 26.4 | 8 | |
| | | | | 0552-972 | 9/22/2010 | 29726 | 1.97 | 1.3 | 0.855 | 21.5 | 8.1 | |
| 0552-986 | 10/6/2010 | 31136 | 43 | 27.8 | 0.562 | 12.7 | 8 | | | | | |
| 0552-001 | 10/20/2010 | 32716 | 6.8 | 4.391 | 0.168 | 15.3 | 8.3 | | | | | |
| 10.8 | SHANNOPIN MINE DISCHARGE | 39° 45' 20.3" | 80° 00' 35.0" | 1552-141 | 9/15/2009 | 32737 | | | | | 23.5 | 8.3 |
| | | | | 1552-187 | 9/21/2009 | 34468 | | | | 22.6 | 8.1 | |
| | | | | 1552-220 | 9/29/2009 | 34468 | | | | 18 | 8 | |
| | | | | 1552-248 | 10/6/2009 | 35244 | | | | 18.6 | 7.8 | |
| | | | | 1552-282 | 10/21/2009 | 37165 | | | | 19.7 | | |
| | | | | 1552-306 | 11/4/2009 | 39194 | | | | 16.4 | 8.1 | |
| | | | | 1552-327 | 11/18/2009 | 40447 | | | | 16 | 8.1 | |
| | | | | 1552-342 | 12/2/2009 | 41543 | | | | 15.6 | 7.6 | |
| | | | | 1552-376 | 1/6/2010 | 00353 | | | | 3.4 | 7 | |
| | | | | 1552-388 | 1/20/2010 | 01541 | | | | 15.3 | 8.3 | |
| | | | | 7485-704 | 10/21/2008 | 38488 | | | | | 7.8 | |
| | | | | 0552-932 | 8/11/2010 | 25861 | | ~5 | | 19.8 | 7.7 | |
| | | | | 0552-946 | 8/25/2010 | 27387 | | est4-5 | | 20.4 | 7.2 | |
| | | | | 0552-959 | 9/8/2010 | 28651 | | est 5 | | 20.2 | 7.1 | |
| | | | | 0552-973 | 9/22/2010 | 29656 | est 6-7MGD | | | 20.1 | 8.5 | |
| 0552-987 | 10/6/2010 | 31132 | est 7-8MGD | | | 18.6 | 8.5 | | | | | |

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| SAMPLE INFORMATION | | | | | | | | | | | | |
|--------------------|--|------------------|---------------------|---------------|-------------------|------------|---------------------|---------------|-----------------------------|--------------------------------|------------------------------|--------------------|
| | | | | | | | FLOW (cfs) | FLOW (MGD) | AVG Velocity (ft/sec) | AVG VELOCITY (miles/day) | TEMPERATURE FIELD (°C) | pH FIELD (s.u.) |
| RMI | SAMPLE LOCATION | LATITUDE | LONGITUDE | SAMPLE ID# | DATE COLLECTED | LAB ID# | | | | | | |
| | | | | 0552-002 | 10/20/2010 | 32760 | | | | | 18.4 | 8.2 |
| 9.8 | Dunkard Creek DC5B | | | 7485-702 | 10/21/2008 | 38486 | | | | | | 8.1 |
| 9.5 | Dunkard Creek DC6 | | | 7485-703 | 10/21/2008 | 38487 | | | | | | 8 |
| 6.7 | Dunkard Creek @ LR2008 Bridge | N 39° 44' 52" | W 079° 58' 46" | 1552-192 | 9/21/2009 | 33347 | 31.9 | 20.6 | 1.46 | 24 | 22.9 | 7.7 |
| | | | | 1552-222 | 9/29/2009 | 34469 | 54.7 | 35.4 | 1.38 | 22.6 | 15.4 | 8 |
| | | | | 1552-250 | 10/6/2009 | 35242 | | | | | 16.5 | 7.6 |
| | | | | 1552-284 | 10/21/2009 | 37162 | | | | | 15.2 | |
| | | | | 1552-307 | 11/4/2009 | 39195 | 82.78 | 53.5 | 1.224 | 20.02 | 9.7 | 8.3 |
| | | | | 1552-328 | 11/18/2009 | 40448 | 29.5 | 19.1 | 0.756 | 12.37 | 12.8 | 7.7 |
| | | | | 1552-343 | 12/2/2009 | 41544 | 63.63 | 41.1 | 1.178 | 19.28 | 8.6 | 7.8 |
| | | | | 1552-360 | 12/16/2009 | 43388 | | | | | 3.9 | 7.3 |
| | | | | 1552-377 | 1/6/2010 | 00354 | | | | 1 | 7.4 | |
| 4.6 | USGS Shannopin Gauge | 39° 45' 33" | 79° 58' 15" | NA | 9/10/2009 | Gage Data | 30 | 19.4 | | | | |
| | | | | NA | 9/15/2009 | Gage Data | 16 | 10.3 | | | | |
| | | | | NA | 9/17/2009 | Gage Data | 22 | 14.2 | | | | |
| | | | | NA | 9/21/2009 | Gage Data | 22 | 14.2 | | | | |
| | | | | NA | 9/29/2009 | Gage Data | 46 | 29.7 | | | 16.1 | 7.3 |
| | | | | NA | 10/6/2009 | Gage Data | 24 | 15.5 | | | 12.9 | 7.5 |
| | | | | NA | 10/21/2009 | Gage Data | 52 | 33.6 | | | 9.9 | 7.3 |
| | | | | NA | 11/4/2009 | Gage Data | 59 | 38.1 | | | 8.6 | 7.4 |
| | | | | NA | 11/18/2009 | Gage Data | 32 | 20.7 | | | 10.1 | 8 |
| | | | | NA | 12/2/2009 | Gage Data | 48 | 31 | | | 6.1 | 7.5 |
| | | | | NA | 12/16/2009 | Gage Data | 111.8 | | | | 2.8 | 7.5 |
| | | | | NA | 1/6/2010 | Gage Data | 146 | | | | 0.1 | |
| | | | | 0552-933 | 8/11/2010 | 35862 | 24 | 15.5 | | | 29.1 | 8.8 |
| | | | | 0552-947 | 8/25/2010 | 27388 | 28 | | | | 23 | 8.4 |
| | | | | 0552-960 | 9/8/2010 | 28652 | | | | | 23.3 | 8.4 |
| | | | | 0552-974 | 9/22/2010 | 29657 | no flow on meter | | | | 22.5 | 7.8 |
| | | | | 0552-988 | 10/6/2010 | 31133 | no flow on meter | | | | 12.9 | 7.9 |
| 0552-003 | 10/20/2010 | 32761 | no flow on meter | | | | 13 | 4.9 | | | | |

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| SAMPLE INFORMATION | | | | | | | | | | | | |
|--------------------|--|-------------------|--------------------|---------------|-------------------|------------|---------------|---------------|-----------------------------|--------------------------------|------------------------------|--------------------|
| | | | | | | | FLOW (cfs) | FLOW (MGD) | AVG Velocity (ft/sec) | AVG VELOCITY (miles/day) | TEMPERATURE FIELD (°C) | pH FIELD (s.u.) |
| RMI | SAMPLE LOCATION | LATITUDE | LONGITUDE | SAMPLE ID# | DATE COLLECTED | LAB ID# | | | | | | |
| 4 | Dunkard Creek DC7 | | | 7485-705 | 10/21/2008 | 38489 | | | | | | 7.9 |
| 3.46 | Algae Sampling Point | N 39°45' 47.3" | W 079°56' 54.8" | 0577-012 | 11/18/2009 | 40484 | | | -0.0328 | -0.537 | 10.29 | 7.52 |
| 2.95 | Dunkard Creek DC8A | | | 7485-706 | 10/21/2008 | 38490 | | | | | | 7.4 |
| 1 | Dunkard Creek DC8A | | | 7485-707 | 10/21/2008 | 38491 | | | | | | 7.7 |
| 0.1 | RMI 0.5 Mouth of Dunkard Creek Under 88 Brdg | N 39° 45' 51" | W 079° 56' 17" | 1552-196 | 9/21/2009 | 33339 | | | | | 24.8 | 7.7 |
| | | | | 1552-224 | 9/29/2009 | 34476 | | | | | 18 | 7.9 |
| | | | | 1552-252 | 10/6/2009 | 35241 | | | | | 19.4 | 7.6 |
| | | | | 1552-286 | 10/21/2009 | 37163 | | | | | 17.9 | |
| | | | | 1552-308 | 11/4/2009 | 39235 | | | | | 11.3 | 8.4 |
| | | | | 1552-329 | 11/18/2009 | 40520 | | | | | 12.9 | 7.7 |
| | | | | 1552-344 | 12/2/2009 | 41547 | | | | | 9.3 | 7.8 |
| | | | | 1552-361 | 12/16/2009 | 43389 | | | | | 3.7 | 7.1 |
| | | | | 0593-020 | 10/15/2008 | 37432 | | | | | 18.87 | 7.27 |
| | | | | 0593-029 | 10/22/2008 | 39040 | | | | | 11.6 | 7.35 |
| | | | | 0552-879 | 11/17/2008 | 42551 | | | | | 9 | |

*VanBriesen Research Group, Carnegie Mellon University (CMU)

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| SAMPLE INFORMATION | | | | | | | DO | P. Parvum | OSMOTIC | BOD 5 | TSS | AMMONIA | NITRATE | |
|--------------------|--|---------------|---------------|------------|----------------|-----------------|--------|------------|----------|--------|--------|---------|---------|--|
| | | | | | | | FIELD | Count | PRESSURE | DAY | (mg/L) | (mg/L) | (mg/L) | |
| RMI | SAMPLE LOCATION | LATITUDE | LONGITUDE | SAMPLE ID# | DATE COLLECTED | LAB ID# | (mg/L) | (cells/mL) | (MOSM) | (mg/L) | (mg/L) | (mg/L) | (mg/L) | |
| 1.1 | PA Fork Dunkard Creek | 39° 43' 44.6" | 80° 16' 42.8" | 1552-075 | 9/10/2009 | 06681 | 7.78 | NA | | | | | | |
| | | | | 1552-111 | 9/15/2009 | 06807 | 6.48 | NA | 4 | | | | | |
| | | | | 1552-159 | 9/21/2009 | 33355 | 6.78 | NA | 5 | 1.7 | 5 | 0.02 | | |
| | | | | 1552-200 | 9/29/2009 | 34473 | 8.88 | NA | 5 | | | | | |
| | | | | 1552-228 | 10/6/2009 | 35248 | 9.65 | NA | 4 | | | | | |
| | | | | 1552-260 | 10/21/2009 | 37169 | 10.23 | NA | 1 | | | | | |
| | | | | 1552-296 | 11/4/2009 | 39186 | 10.51 | NA | 5 | | | | | |
| | | | | 1552-317 | 11/18/2009 | 40449 | | NA | 5 | | | | | |
| | | | | 1552-332 | 12/2/2009 | 41519 | | NA | 1 | | | | | |
| | | | | 1552-349 | 12/16/2009 | 43385 | | NA | ~ | | | 0.03 | | |
| | | | | 1552-366 | 1/6/2010 | 00349 | | NA | ~ | | | 0.02 | | |
| | | | | 1552-383 | 1/20/2010 | 01538 | | NA | 3 | | | | | |
| | | | | 0552-922 | 8/11/2010 | 25779 | | 0 | 6 | 1.4 | | 0.05 | 0.04 | |
| | | | | 0552-936 | 8/25/2010 | 27336 | | 0 | 4 | 1.9 | | <.02 | <.04 | |
| | | | | 0552-949 | 9/8/2010 | 28689 | | 0 | 1 | 1.6 | | 0.05 | <.04 | |
| | | | | 0552-963 | 9/22/2010 | 29661 | | 0 | 10 | 1.5 | | 0.07 | <.04 | |
| | | | | 0552-977 | 10/6/2010 | 31139 | | 0 | 6 | 1.1 | | <.02 | <.04 | |
| 0552-991 | 10/20/2010 | 32724 | | 0 | 10 | <0.2 | | <.02 | <.04 | | | | | |
| 0.6 | WV Fork Dunkard Creek 50' US Outfall 003 | 39° 42' 48" | 80° 17' 17" | 1552 | 9/15/2009 | Field Data Only | | NA | | | | | | |
| | | | | | 9/21/2009 | | | NA | 49 | | | | | |
| | | | | 1552-202 | 9/29/2009 | 34474 | 9.9 | NA | 47 | | | | | |
| | | | | 1552-230 | 10/6/2009 | 35249, | 10.7 | NA | 25 | | | | | |
| | | | | 1552-264 | 10/21/2009 | 37173 | 11.04 | NA | 6 | | | 0.03 | | |
| | | | | 1552-297 | 11/4/2009 | 39187 | 12.07 | NA | 8 | | | 0.27 | | |
| | | | | 1552-318 | 11/18/2009 | 40450 | | NA | 42 | | | | | |
| | | | | 1552-333 | 12/2/2009 | 41520 | | NA | 17 | | | | | |
| | | | | 1552-350 | 12/16/2009 | 43387 | | NA | 5 | | | 0.09 | | |
| | | | | 1552-367 | 1/6/2010 | 00350 | | NA | 12 | | | 0.05 | | |
| | | | | 1552-384 | 1/20/2010 | 01539 | | NA | 6 | | | 0.03 | | |
| | | | | 0552-923 | 8/11/2010 | 25793 | | 0 | 8 | 3.3 | | <.02 | <.04 | |
| | | | | 0552-937 | 8/25/2010 | 27337 | | 0 | 6 | 3.4 | | <.02 | <.04 | |
| | | | | 0552-950 | 9/8/2010 | 28690 | | 0 | 6 | 2.8 | | <.02 | <.04 | |
| | | | | 0552-964 | 9/22/2010 | 29662 | | 0 | 12 | 7.5 | | <.02 | <.04 | |
| 0552-978 | 10/6/2010 | 31140 | | 0 | 10 | 1.3 | | 0.06 | 0.22 | | | | | |

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| SAMPLE INFORMATION | | | | | | | | | | | | | | | |
|--------------------|--|---------------|---------------|------------|----------------|-----------------|-----------------|----------------------------|-------------------------|------------------|------------|-------------------------|----------------|--|--|
| | | | | | | | DO FIELD (mg/L) | P. Parvum Count (cells/mL) | OSMOTIC PRESSURE (MOSM) | BOD 5 DAY (mg/L) | TSS (mg/L) | AMMONIA NITROGEN (mg/L) | NITRATE (mg/L) | | |
| RMI | SAMPLE LOCATION | LATITUDE | LONGITUDE | SAMPLE ID# | DATE COLLECTED | LAB ID# | | | | | | | | | |
| | | | | 0552-992 | 10/20/2010 | 32725 | | 0 | 9 | 5.3 | | <.02 | <.04 | | |
| 0.5 | Blacksville #2 discharge from Beaver Pond or Pond Itself Outfall 003 | 39° 42' 52" | 80° 17' 15" | 0552-925 | 8/11/2010 | 25794 | | 0 | 163 | 2.8 | | 0.04 | <.04 | | |
| | | | | 0552-939 | 8/25/2010 | ND | | ND | | | | | | | |
| | | | | 0552-952 | 9/8/2010 | ND | | ND | | | | | | | |
| | | | | 0552-966 | 9/22/2010 | ND | | ND | | | | | | | |
| | | | | 0552-979 | 10/6/2010 | ND | | ND | | | | | | | |
| | | | | 0552-994 | 10/20/2010 | ND | | ND | | | | | | | |
| 0.4 | Blacksville #2 Mine Outfall 005 Discharge to WV Fork 2000' US jct PA Fork @ Shamrock | 39° 43' 07.6" | 80° 16' 38.8" | 1552 | 9/15/2009 | Field Data Only | | NA | | | | | | | |
| | | | | 1552-148 | 9/17/2009 | 33133 | | NA | 409 | | | | | | |
| | | | | 1552-167 | 9/21/2009 | 33363 | 7.64 | NA | 434 | 4 | 64 | 3.4 | | | |
| | | | | 1552-204 | 9/29/2009 | 34475 | 10.14 | NA | 194 | | | | | | |
| | | | | 1552-232 | 10/6/2009 | 35250 | 9.8 | NA | 296 | | | 0.61 | 0.53 | | |
| | | | | 1552-266 | 10/21/2009 | 37174 | 9.94 | NA | 117 | 1.6 | | 0.28 | | | |
| | | | | 1552-298 | 11/4/2009 | 39188 | 10.7 | NA | 107 | 1.5 | | 0.2 | | | |
| | | | | 1552-319 | 11/18/2009 | 40504 | | NA | 129 | 0.9 | | 0.28 | | | |
| | | | | 1552-334 | 12/2/2009 | 41545 | | NA | 147 | 1.2 | | 0.31 | | | |
| | | | | 1552-351 | 12/16/2009 | 43377 | | NA | 32 | 1.0 | | 0.15 | | | |
| | | | | 1552-368 | 1/6/2010 | 00351 | | NA | 17 | 0.8 | | 0.07 | | | |
| | | | | 1552-385 | 1/20/2010 | 01515 | | NA | 8 | 0.7 | | 0.03 | | | |
| | | | | 0552-938 | 8/25/2010 | ND | | ND | | | | | | | |
| | | | | 0552-950 | 9/8/2010 | ND | | ND | | | | | | | |
| | | | | 0552-965 | 9/22/2010 | ND | | ND | | | | | | | |
| 0552-980 | 10/6/2010 | ND | | ND | | | | | | | | | | | |
| 0552-993 | 10/20/2010 | ND | | ND | | | | | | | | | | | |
| | | | | 1552-090 | 9/10/2009 | 06684 | 13.67 | NA | | | | | | | |
| | | | | 1552-117 | 9/15/2009 | 06808 | 9.98 | NA | 298 | | | | | | |
| | | | | 1552-151 | 9/17/2009 | 33136 | | NA | 255 | | | | | | |
| | | | | 1552-163 | 9/21/2009 | 33359 | 10.55 | NA | 95 | 10.9 | 22 | <.02 | | | |
| | | | | 1552-206 | 9/29/2009 | 34478 | 9.7 | NA | 49 | | | | | | |
| | | | | 1552-234 | 10/6/2009 | 35253 | 10.08 | NA | 24 | | | | | | |
| | | | | 1552-268 | 10/21/2009 | 37185 | 10.52 | NA | 7 | | | 0.04 | | | |
| | | | | 1552-299 | 11/4/2009 | 39189 | 12.12 | NA | 8 | | | | | | |

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| SAMPLE INFORMATION | | | | | | | | | | | | | | |
|--------------------|-----------------------|-----------------|------------------|------------|----------------|---------|-----------------|----------------------------|-------------------------|------------------|------------|-------------------------|----------------|------|
| | | | | | | | DO FIELD (mg/L) | P. Parvum Count (cells/mL) | OSMOTIC PRESSURE (MOSM) | BOD 5 DAY (mg/L) | TSS (mg/L) | AMMONIA NITROGEN (mg/L) | NITRATE (mg/L) | |
| RMI | SAMPLE LOCATION | LATITUDE | LONGITUDE | SAMPLE ID# | DATE COLLECTED | LAB ID# | | | | | | | | |
| 0.2 | WV Fork Dunkard Creek | 39° 43' 18.3" | 80° 16' 25.1" | 1552-320 | 11/18/2009 | 40505 | | NA | 39 | | | | | |
| | | | | 1552-335 | 12/2/2009 | 41546 | | NA | 21 | | | | | |
| | | | | 1552-352 | 12/16/2009 | 43378 | | NA | 5 | | | | 0.1 | |
| | | | | 1552-369 | 1/6/2010 | 00352 | | NA | 12 | | | | 0.04 | |
| | | | | 1552-386 | 1/20/2010 | 01540 | | NA | 6 | | | | 0.03 | |
| | | | | 0552-926 | 8/11/2010 | 25803 | | 0 | 7 | 2.8 | | | <.02 | <.04 |
| | | | | 0552-940 | 8/25/2010 | 27366 | | 0 | 9 | 5.6 | | | <.02 | <.04 |
| | | | | 0552-953 | 9/8/2010 | 28664 | | 0 | 12 | 2 | | | <.02 | <.04 |
| | | | | 0552-967 | 9/22/2010 | 29663 | | 0 | 8 | 1.4 | | | 0.04 | <.04 |
| | | | | 0552-981 | 10/6/2010 | 31137 | | 0 | 13 | 1.2 | | | 0.02 | 0.3 |
| 0552-995 | 10/20/2010 | 32726 | | 0 | 15 | 5.4 | | | <.02 | <.04 | | | | |
| 41 | Dunkard Creek @ Brave | 39° 43' 39.0" | 080° 15' 21.9" | 1552-085 | 9/10/2009 | 06683 | 16.01 | NA | | | | | | |
| | | | | 1552-123 | 9/15/2009 | 06809 | 16.95 | NA | 90 | | | | | |
| | | | | 1552-171 | 9/21/2009 | 33367 | 11.1 | NA | 110 | 14.4 | 35 | | 0.05 | |
| | | | | 1552-208 | 9/29/2009 | 34479 | 10.95 | NA | 55 | | | | | |
| | | | | 1552-236 | 10/6/2009 | 35254 | 12.06 | NA | 26 | | | | 0.03 | |
| | | | | 1552-270 | 10/21/2009 | 37184 | 10.05 | NA | 6 | | | | 0.06 | |
| | | | | 1552-300 | 11/4/2009 | 39190 | 10.47 | NA | 6 | | | | | |
| | | | | 1552-321 | 11/18/2009 | 40444 | | NA | 17 | | | | 0.05 | |
| | | | | 1552-336 | 12/2/2009 | 41539 | | NA | 21 | | | | | |
| | | | | 1552-353 | 12/16/2009 | 43373 | | NA | | | | | 0.05 | |
| | | | | 1552-370 | 1/6/2010 | 00343 | | NA | 4 | | | | 0.05 | |
| | | | | 1552-387 | 1/20/2010 | 01516 | | NA | 3 | | | | 0.08 | |
| | | | | 0552-927 | 8/11/2010 | 25804 | | 0 | 6 | 2.6 | | | <.02 | <.04 |
| | | | | 0552-941 | 8/25/2010 | 27367 | | 0 | 10 | 3.6 | | | 0.13 | 0.13 |
| | | | | 0552-954 | 9/8/2010 | 28665 | | 0 | 9 | 11.6 | | | <.02 | <.04 |
| 0552-968 | 9/22/2010 | 29664 | | 0 | 9 | 3.2 | | | 0.03 | <.04 | | | | |
| 0552-982 | 10/6/2010 | 31138 | | 0 | 9 | 1.4 | | | 0.06 | 0.15 | | | | |
| 0552-996 | 10/20/2010 | 32727 | | 0 | 12 | 3.1 | | | <.02 | <.04 | | | | |
| 39.2 | Miracle Run @ Mouth | N 39° 43' 05.0" | W 080° 14' 28.8" | 1552-142 | 9/17/2009 | 33127 | | NA | 53 | | | | | |
| | | | | 1552-175 | 9/21/2009 | 33371 | 8.88 | NA | 60 | 2.1 | 10 | | 0.03 | |
| | | | | 1552-208 | 9/29/2009 | 34479 | 10.55 | NA | 31 | | | | | |
| | | | | 1552-238 | 10/6/2009 | 35251 | 10.91 | NA | 36 | | | | | 0.04 |
| | | | | 1552-272 | 10/21/2009 | 37172 | 10.02 | NA | 13 | | | | 0.04 | |
| 1552-301 | 11/4/2009 | 39191 | 11.45 | NA | 17 | | | | 0.75 | | | | | |

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| SAMPLE INFORMATION | | | | | | | DO | P. Parvum | OSMOTIC | BOD 5 | TSS | AMMONIA | NITRATE |
|--------------------|--|---------------|---------------|------------|----------------|-----------------|--------|------------|----------|--------|--------|---------|---------|
| | | | | | | | FIELD | Count | PRESSURE | DAY | (mg/L) | (mg/L) | (mg/L) |
| RMI | SAMPLE LOCATION | LATITUDE | LONGITUDE | SAMPLE ID# | DATE COLLECTED | LAB ID# | (mg/L) | (cells/mL) | (MOSM) | (mg/L) | (mg/L) | (mg/L) | (mg/L) |
| | | | | 1552-322 | 11/18/2009 | 40445 | | NA | 35 | | | 0.85 | |
| | | | | 1552-337 | 12/2/2009 | 41540 | | NA | 16 | | | 1.83 | |
| | | | | 1552-354 | 12/16/2009 | 43374 | | NA | 5 | | | 1.13 | |
| | | | | 1552-371 | 1/6/2010 | 00344 | | NA | 9 | | | 1.34 | |
| 37.5 | Dunkard Creek @ Blacksville | 39° 43' 15.7" | 80° 13' 20.6" | 1552 | 9/17/2009 | Field Data Only | 10.98 | NA | | | | | |
| | | | | 1552 | 9/21/2009 | Field Data Only | 13.94 | NA | | | | | |
| | | | | 1552-214 | 9/29/2009 | 34471 | 9.41 | NA | 50 | | | | |
| | | | | 1552-240 | 10/6/2009 | 35252 | 11.46 | NA | 29 | | | | 0.01 |
| | | | | 1552-274 | 10/21/2009 | 37171 | 10.81 | NA | 8 | | | | |
| | | | | 1552-302 | 11/4/2009 | 39207 | 12.3 | NA | 6 | | | 0.08 | |
| | | | | 1552-323 | 11/18/2009 | 40446 | | NA | 22 | | | 0.09 | |
| | | | | 1552-338 | 12/2/2009 | 41541 | | NA | 18 | | | 0.46 | |
| | | | | 1552-355 | 12/16/2009 | 43375 | | NA | 4 | | | 0.21 | |
| | | | | 1552-372 | 1/6/2010 | 00345 | | NA | 5 | | | 0.34 | |
| | | | | 0552-928 | 8/11/2010 | 25782 | | 0 | 24 | 2.4 | | 0.05 | 1.78 |
| | | | | 0552-942 | 8/25/2010 | 27380 | | 0 | 20 | 2.8 | | 0.04 | 1.39 |
| | | | | 0552-955 | 9/8/2010 | 28666 | | 0 | 14 | 2.5 | | 0.02 | <.04 |
| | | | | 0552-969 | 9/22/2010 | 29696 | | 0 | 28 | 5 | | 5.31 | 1.86 |
| 0552-983 | 10/6/2010 | 31161 | | 0 | 19 | 7.7 | | 5.11 | 2.18 | | | | |
| 0552-997 | 10/20/2010 | 32721 | | 0 | 29 | 2 | | 0.48 | 3.74 | | | | |
| 30.3 | Dunkard Creek @ Route 7 bridge in Pentress | 39° 42' 43" | 80° 9' 43" | 1552-214 | 9/29/2009 | 34471 | 10.3 | NA | 46 | | | | |
| | | | | 1552-242 | 10/6/2009 | 35245 | 14.92 | NA | 38 | | | | 0.03 |
| | | | | 1552-276 | 10/21/2009 | 37148 | 9.97 | NA | 9 | | | | |
| | | | | 1552-303 | 11/4/2009 | 39208 | 11.43 | NA | 6 | | | 0.03 | |
| | | | | 1552-324 | 11/18/2009 | 40451 | | NA | 13 | | | | |
| | | | | 1552-339 | 12/2/2009 | 41516 | | NA | 15 | | | 0.47 | |
| | | | | 1552-356 | 12/16/2009 | 43391 | | NA | 4 | | | 0.26 | |
| | | | | 1552-373 | 1/6/2010 | 00346 | | NA | 5 | | | 0.28 | |
| | | | | 0552-929 | 8/11/2010 | 25783 | | 0 | 15 | 3.2 | | <.02 | 0.18 |
| | | | | 0552-943 | 8/25/2010 | 27381 | | 0 | 24 | 2.6 | | <.02 | 0.19 |
| | | | | 0552-956 | 9/8/2010 | 28667 | | 0 | 19 | 2.2 | | 0.02 | <.04 |
| | | | | 0552-970 | 9/22/2010 | 29697 | | 0 | 18 | 2.3 | | 0.13 | <.04 |
| 0552-984 | 10/6/2010 | 31162 | | 0 | 22 | 2.1 | | 4.94 | 1.81 | | | | |

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| SAMPLE INFORMATION | | | | | | | | | | | | | | |
|--------------------|----------------------------------|---------------|---------------|------------|----------------|---------|-----------------|----------------------------|-------------------------|------------------|------------|-------------------------|----------------|------|
| | | | | | | | DO FIELD (mg/L) | P. Parvum Count (cells/mL) | OSMOTIC PRESSURE (MOSM) | BOD 5 DAY (mg/L) | TSS (mg/L) | AMMONIA NITROGEN (mg/L) | NITRATE (mg/L) | |
| RMI | SAMPLE LOCATION | LATITUDE | LONGITUDE | SAMPLE ID# | DATE COLLECTED | LAB ID# | | | | | | | | |
| | | | | 0552-998 | 10/20/2010 | 32722 | | 0 | 27 | 1.8 | | <0.02 | 3.07 | |
| 22.8 | Dunkard Creek @ Mason Dixon Park | 39° 42' 55.7" | 80° 06' 40.8" | 1552-129 | 9/15/2009 | 06810 | 12.67 | NA | 32 | | | | | |
| | | | | 1552-179 | 9/21/2009 | 33375 | 11.31 | NA | 34 | 15.8 | 26 | | <.02 | |
| | | | | 1552-216 | 9/29/2009 | 34472 | 10.2 | NA | 37 | | | | | |
| | | | | 1552-244 | 10/6/2009 | 35246 | 13.7 | NA | 38 | | | | | 0.03 |
| | | | | 1552-278 | 10/21/2009 | 37149 | 11.26 | NA | 8 | | | | 0.05 | |
| | | | | 1552-304 | 11/4/2009 | 39209 | 11.99 | NA | 8 | | | | | |
| | | | | 1552-325 | 11/18/2009 | 40452 | | NA | 11 | | | | | |
| | | | | 1552-340 | 12/2/2009 | 41517 | | NA | 15 | | | | 0.47 | |
| | | | | 1552-357 | 12/16/2009 | 43392 | | NA | 5 | | | | 0.28 | |
| | | | | 1552-374 | 1/6/2010 | 00347 | | NA | 4 | | | | 0.2 | |
| | | | | 0552-930 | 8/11/2010 | 25835 | | 0 | 12 | 3 | | | <.02 | <.04 |
| | | | | 0552-944 | 8/25/2010 | 27389 | | 0 | 16 | 3.5 | | | <.02 | <.04 |
| | | | | 0552-957 | 9/8/2010 | 28699 | | 0 | 9 | 11.6 | | | <.02 | <.04 |
| | | | | 0552-971 | 9/22/2010 | 29725 | | 0 | 18 | 2.7 | | | <.02 | <.04 |
| | | | | 0552-985 | 10/6/2010 | 31135 | | 0 | 17 | 10.4 | | | 2.51 | 1.52 |
| | | | | 0552-999 | 10/20/2010 | 32715 | | 0 | 21 | 1.8 | | | <.02 | 1.79 |
| | | | | CMU* | 9/17/2009 | NA | | NA | | | | | | |
| | | | | CMU* | 9/22/2009 | NA | | NA | | | | | | |
| | | | | CMU* | 9/29/2009 | NA | | NA | | | | | | |
| | | | | CMU* | 10/6/2009 | NA | | NA | | | | | | |
| | | | | CMU* | 10/13/2009 | NA | | NA | | | | | | |
| | | | | CMU* | 10/20/2009 | NA | | NA | | | | | | |
| | | | | CMU* | 10/27/2009 | NA | | NA | | | | | | |
| | | | | CMU* | 11/3/2009 | NA | | NA | | | | | | |
| | | | | CMU* | 11/10/2009 | NA | | NA | | | | | | |
| | | | | CMU* | 11/17/2009 | NA | | NA | | | | | | |
| | | | | CMU* | 11/24/2009 | NA | | NA | | | | | | |
| | | | | CMU* | 12/1/2009 | NA | | NA | | | | | | |
| | | | | CMU* | 12/8/2009 | NA | | NA | | | | | | |
| | | | | CMU* | 12/15/2009 | NA | | NA | | | | | | |
| | | | | CMU* | 1/5/2010 | NA | | NA | | | | | | |
| | | | | CMU* | 1/12/2010 | NA | | NA | | | | | | |
| | | | | CMU* | 1/19/2010 | NA | | NA | | | | | | |
| | | | | CMU* | 2/3/2010 | NA | | NA | | | | | | |

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| SAMPLE INFORMATION | | | | | | | DO | P. Parvum | OSMOTIC | BOD 5 | TSS | AMMONIA | NITRATE | |
|--------------------|-----------------|----------|-----------|------------|----------------|---------|--------|------------|----------|--------|--------|---------|---------|--|
| | | | | | | | FIELD | Count | PRESSURE | DAY | (mg/L) | (mg/L) | (mg/L) | |
| RMI | SAMPLE LOCATION | LATITUDE | LONGITUDE | SAMPLE ID# | DATE COLLECTED | LAB ID# | (mg/L) | (cells/mL) | (MOSM) | (mg/L) | (mg/L) | (mg/L) | (mg/L) | |
| 15 | East Dunkard | | | CMU* | 2/23/2010 | NA | | NA | | | | | | |
| | | | | CMU* | 3/9/2010 | NA | | NA | | | | | | |
| | | | | CMU* | 3/23/2010 | NA | | NA | | | | | | |
| | | | | CMU* | 4/6/2010 | NA | | NA | | | | | | |
| | | | | CMU* | 4/20/2010 | NA | | NA | | | | | | |
| | | | | CMU* | 5/4/2010 | NA | | NA | | | | | | |
| | | | | CMU* | 5/18/2010 | NA | | NA | | | | | | |
| | | | | CMU* | 5/25/2010 | NA | | NA | | | | | | |
| | | | | CMU* | 6/1/2010 | NA | | NA | | | | | | |
| | | | | CMU* | 6/8/2010 | NA | | NA | | | | | | |
| | | | | CMU* | 6/15/2010 | NA | | NA | | | | | | |
| | | | | CMU* | 6/29/2010 | NA | | NA | | | | | | |
| | | | | CMU* | 7/5/2010 | NA | | NA | | | | | | |
| | | | | CMU* | 7/13/2010 | NA | | NA | | | | | | |
| | | | | CMU* | 7/22/2010 | NA | | NA | | | | | | |
| | | | | CMU* | 7/27/2010 | NA | | NA | | | | | | |
| | | | | CMU* | 8/5/2010 | NA | | NA | | | | | | |
| | | | | CMU* | 8/10/2010 | NA | | NA | | | | | | |
| | | | | CMU* | 8/17/2010 | NA | | NA | | | | | | |
| | | | | CMU* | 8/24/2010 | NA | | NA | | | | | | |
| | | | | CMU* | 8/31/2010 | NA | | NA | | | | | | |
| | | | | CMU* | 9/7/2010 | NA | | NA | | | | | | |
| | | | | CMU* | 9/14/2010 | NA | | NA | | | | | | |
| | | | | CMU* | 9/21/2010 | NA | | NA | | | | | | |
| | | | | CMU* | 9/29/2010 | NA | | NA | | | | | | |
| | | | | CMU* | 10/7/2010 | NA | | NA | | | | | | |
| | | | | CMU* | 10/11/2010 | NA | | NA | | | | | | |
| | | | | CMU* | 10/19/2010 | NA | | NA | | | | | | |
| | | | | CMU* | 10/26/2010 | NA | | NA | | | | | | |
| | | | | CMU* | 11/3/2010 | NA | | NA | | | | | | |
| CMU* | 12/14/2010 | NA | | NA | | | | | | | | | | |
| CMU* | 1/19/2011 | NA | | NA | | | | | | | | | | |
| CMU* | 2/16/2011 | NA | | NA | | | | | | | | | | |
| CMU* | 3/16/2011 | NA | | NA | | | | | | | | | | |

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| SAMPLE INFORMATION | | | | | | | DO | P. Parvum | OSMOTIC | BOD 5 | TSS | AMMONIA | NITRATE | |
|--------------------|--|---------------|---------------|------------|----------------|---------|--------|------------|----------|--------|--------|---------|---------|------|
| | | | | | | | FIELD | Count | PRESSURE | DAY | (mg/L) | (mg/L) | (mg/L) | |
| RMI | SAMPLE LOCATION | LATITUDE | LONGITUDE | SAMPLE ID# | DATE COLLECTED | LAB ID# | (mg/L) | (cells/mL) | (MOSM) | (mg/L) | (mg/L) | (mg/L) | (mg/L) | |
| 13 | Dunkard Creek DC5 | | | 7485-701 | 10/21/2008 | 38485 | | NA | | | | | | |
| 10.9 | Dunkard Creek @ end of Bald Hill Church Road | 39° 45' 20.0" | 80° 00' 43.4" | 1552-100 | 9/10/2009 | 06686 | 11.44 | NA | | | | | | |
| | | | | 1552-135 | 9/15/2009 | 06811 | 13.34 | NA | 28 | | | | | |
| | | | | 1552-183 | 9/21/2009 | 33379 | 14.93 | NA | 24 | 28.5 | 84 | <.02 | | |
| | | | | 1552-218 | 9/29/2009 | 34467 | 9.15 | NA | 25 | | | | | |
| | | | | 1552-246 | 10/6/2009 | 35243 | 11.2 | NA | 32 | | | | | |
| | | | | 1552-280 | 10/21/2009 | 37164 | 9.82 | NA | 8 | | | | | |
| | | | | 1552-305 | 11/4/2009 | 39193 | 11.06 | NA | 3 | | | | | |
| | | | | 1552-326 | 11/18/2009 | 40453 | | NA | 3 | | | | | |
| | | | | 1552-341 | 12/2/2009 | 41518 | | NA | 10 | | | | | |
| | | | | 1552-358 | 12/16/2009 | 43393 | | NA | 4 | | | | 0.09 | |
| | | | | 1552-375 | 1/6/2010 | 00348 | | NA | 4 | | | | 0.13 | |
| | | | | 0552-931 | 8/11/2010 | 25836 | | 0 | 9 | 3.5 | | | <.02 | <.04 |
| | | | | 0552-945 | 8/25/2010 | 27390 | | 0 | 9 | 11 | | | <.02 | <.04 |
| | | | | 0552-958 | 9/8/2010 | 28700 | | 0 | 15 | 2.8 | | | <.02 | <.04 |
| | | | | 0552-972 | 9/22/2010 | 29726 | | 0 | 18 | 2.1 | | | 0.03 | <.04 |
| 0552-986 | 10/6/2010 | 31136 | | 0 | 18 | 1.1 | | | 1.72 | 0.9 | | | | |
| 0552-001 | 10/20/2010 | 32716 | | 0 | 17 | 1.9 | | | 0.03 | 1.35 | | | | |
| 10.8 | SHANNOPIN MINE DISCHARGE | 39° 45' 20.3" | 80° 00' 35.0" | 1552-141 | 9/15/2009 | 32737 | 8.25 | NA | | | | | | |
| | | | | 1552-187 | 9/21/2009 | 34468 | 8.8 | NA | 181 | 7 | 5 | 7.77 | | |
| | | | | 1552-220 | 9/29/2009 | 34468 | 9.36 | NA | 187 | | | | | |
| | | | | 1552-248 | 10/6/2009 | 35244 | 7.89 | NA | 151 | | | 5.1 | 1.17 | |
| | | | | 1552-282 | 10/21/2009 | 37165 | 9.34 | NA | 180 | 8.2 | | 4.67 | | |
| | | | | 1552-306 | 11/4/2009 | 39194 | 7.84 | NA | 181 | 8.9 | | 2.35 | | |
| | | | | 1552-327 | 11/18/2009 | 40447 | | NA | 160 | 1.8 | | 5.04 | | |
| | | | | 1552-342 | 12/2/2009 | 41543 | | NA | 146 | 9.8 | | 3.58 | | |
| | | | | 1552-376 | 1/6/2010 | 00353 | | NA | 4 | 0.7 | | 0.07 | | |
| | | | | 1552-388 | 1/20/2010 | 01541 | | NA | 173 | | | 5.07 | | |
| | | | | 7485-704 | 10/21/2008 | 38488 | | NA | | | | | | |
| | | | | 0552-932 | 8/11/2010 | 25861 | | 0 | 160 | 4.8 | | 3.68 | 0.32 | |
| | | | | 0552-946 | 8/25/2010 | 27387 | | 0 | 158 | 8.6 | | 3.7 | 0.35 | |
| | | | | 0552-959 | 9/8/2010 | 28651 | | 0 | 157 | 4 | | 3.58 | 0.44 | |
| | | | | 0552-973 | 9/22/2010 | 29656 | | 0 | 151 | 1.5 | | 3.84 | 0.42 | |
| 0552-987 | 10/6/2010 | 31132 | | 0 | 169 | 2.8 | | 4.15 | 0.38 | | | | | |

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| SAMPLE INFORMATION | | | | | | | | | | | | | | | |
|--------------------|-------------------------------|---------------|----------------|------------|----------------|-----------|-----------------|----------------------------|-------------------------|------------------|------------|-------------------------|----------------|------|------|
| | | | | | | | DO FIELD (mg/L) | P. Parvum Count (cells/mL) | OSMOTIC PRESSURE (MOSM) | BOD 5 DAY (mg/L) | TSS (mg/L) | AMMONIA NITROGEN (mg/L) | NITRATE (mg/L) | | |
| RMI | SAMPLE LOCATION | LATITUDE | LONGITUDE | SAMPLE ID# | DATE COLLECTED | LAB ID# | | | | | | | | | |
| | | | | 0552-002 | 10/20/2010 | 32760 | st 5 MG | NA | 171 | 6.5 | | 4.07 | 0.47 | | |
| 9.8 | Dunkard Creek DC5B | | | 7485-702 | 10/21/2008 | 38486 | | NA | | | | | | | |
| 9.5 | Dunkard Creek DC6 | | | 7485-703 | 10/21/2008 | 38487 | | NA | | | | | | | |
| 6.7 | Dunkard Creek @ LR2008 Bridge | N 39° 44' 52" | W 079° 58' 46" | 1552-192 | 9/21/2009 | 33347 | 10.73 | NA | 133 | 7.6 | 23 | 0.81 | | | |
| | | | | 1552-222 | 9/29/2009 | 34469 | 10.55 | NA | 120 | | | | | | |
| | | | | 1552-250 | 10/6/2009 | 35242 | 12.32 | NA | 105 | | | | 0.22 | 0.17 | |
| | | | | 1552-284 | 10/21/2009 | 37162 | 10.23 | NA | 60 | | | | 0.53 | | |
| | | | | 1552-307 | 11/4/2009 | 39195 | 11.86 | NA | 53 | | | | 0.42 | | |
| | | | | 1552-328 | 11/18/2009 | 40448 | | NA | 86 | | | | 0.52 | | |
| | | | | 1552-343 | 12/2/2009 | 41544 | | NA | 47 | | | | 0.17 | | |
| | | | | 1552-360 | 12/16/2009 | 43388 | | NA | 2 | | | | 0.1 | | |
| | | | | 1552-377 | 1/6/2010 | 00354 | | NA | 3 | | | 0.12 | | | |
| 4.6 | USGS Shannopin Gauge | 39° 45' 33" | 79° 58' 15" | NA | 9/10/2009 | Gage Data | | NA | | | | | | | |
| | | | | NA | 9/15/2009 | Gage Data | | NA | | | | | | | |
| | | | | NA | 9/17/2009 | Gage Data | | NA | | | | | | | |
| | | | | NA | 9/21/2009 | Gage Data | | NA | | | | | | | |
| | | | | NA | 9/29/2009 | Gage Data | | NA | | | | | | | |
| | | | | NA | 10/6/2009 | Gage Data | | NA | | | | | | | |
| | | | | NA | 10/21/2009 | Gage Data | | NA | | | | | | | |
| | | | | NA | 11/4/2009 | Gage Data | | NA | | | | | | | |
| | | | | NA | 11/18/2009 | Gage Data | | NA | | | | | | | |
| | | | | NA | 12/2/2009 | Gage Data | | NA | | | | | | | |
| | | | | NA | 12/16/2009 | Gage Data | 173 | NA | | | | | | | |
| | | | | NA | 1/6/2010 | Gage Data | | NA | | | | | | | |
| | | | | 0552-933 | 8/11/2010 | 35862 | | 0 | 38 | 6.1 | | | | <.02 | <.04 |
| | | | | 0552-947 | 8/25/2010 | 27388 | | 0 | 36 | 5.2 | | | | <.02 | 0.13 |
| | | | | 0552-960 | 9/8/2010 | 28652 | | 0 | 58 | 1.3 | | | | 0.02 | 0.57 |
| | | | | 0552-974 | 9/22/2010 | 29657 | | 0 | 52 | 1 | | | | <.02 | 0.58 |
| | | | | 0552-988 | 10/6/2010 | 31133 | | 0 | 34 | 1.4 | | | | 0.23 | 0.93 |
| 0552-003 | 10/20/2010 | 32761 | | NA | 44 | <0.2 | | | | <.02 | 0.9 | | | | |

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| SAMPLE INFORMATION | | | | | | | | | | | | | | |
|--------------------|--|----------------|-----------------|------------|----------------|---------|-----------------|----------------------------|-------------------------|------------------|------------|-------------------------|----------------|------|
| | | | | | | | DO FIELD (mg/L) | P. Parvum Count (cells/mL) | OSMOTIC PRESSURE (MOSM) | BOD 5 DAY (mg/L) | TSS (mg/L) | AMMONIA NITROGEN (mg/L) | NITRATE (mg/L) | |
| RMI | SAMPLE LOCATION | LATITUDE | LONGITUDE | SAMPLE ID# | DATE COLLECTED | LAB ID# | | | | | | | | |
| 4 | Dunkard Creek DC7 | | | 7485-705 | 10/21/2008 | 38489 | | NA | | | | | | |
| 3.46 | Algae Sampling Point | N 39°45' 47.3" | W 079°56' 54.8" | 0577-012 | 11/18/2009 | 40484 | 10.73 | NA | 10 | | | | | |
| 2.95 | Dunkard Creek DC8A | | | 7485-706 | 10/21/2008 | 38490 | | NA | | | | | | |
| 1 | Dunkard Creek DC8A | | | 7485-707 | 10/21/2008 | 38491 | | NA | | | | | | |
| 0.1 | RMI 0.5 Mouth of Dunkard Creek Under 88 Brdg | N 39° 45' 51" | W 079° 56' 17" | 1552-196 | 9/21/2009 | 33339 | 9.65 | NA | 2 | 2.1 | <5 | 0.03 | | |
| | | | | 1552-224 | 9/29/2009 | 34476 | 9.34 | NA | 8 | | | | | |
| | | | | 1552-252 | 10/6/2009 | 35241 | 9.93 | NA | 5 | | | | 0.11 | 0.02 |
| | | | | 1552-286 | 10/21/2009 | 37163 | 9.04 | NA | 5 | | | | 0.14 | |
| | | | | 1552-308 | 11/4/2009 | 39235 | 10.65 | NA | | | | | 0.05 | |
| | | | | 1552-329 | 11/18/2009 | 40520 | | NA | 5 | | | | 0.1 | |
| | | | | 1552-344 | 12/2/2009 | 41547 | | NA | 1 | | | | 0.05 | |
| | | | | 1552-361 | 12/16/2009 | 43389 | | NA | 4 | | | | 0.11 | |
| | | | | 0593-020 | 10/15/2008 | 37432 | | NA | NA | | | | | |
| 0593-029 | 10/22/2008 | 39040 | | 9.54 | NA | | | | | | | | | |
| 0552-879 | 11/17/2008 | 42551 | | | NA | | | | | | | | | |

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| SAMPLE INFORMATION | | | | | | | VOLATILE ORGANICS | | | | | | |
|--------------------|---|------------------|---------------|---------------|-------------------|--------------------|-------------------|--------------------------------|---------------|----------------------|-------------------|------------------------------|-------|
| | | | | | | | NITRITE (mg/L) | NITRATE / NITRITE (mg/L) | TKN (mg/L) | PHOSPHORUS (mg/L) | Acetone (ug/L) | t-Butyl Alcohol (ug/L) | |
| RMI | SAMPLE LOCATION | LATITUDE | LONGITUDE | SAMPLE ID# | DATE COLLECTED | LAB ID# | | | 750 (AFC) | | | | |
| 1.1 | PA Fork Dunkard Creek | 39° 43' 44.6" | 80° 16' 42.8" | 1552-075 | 9/10/2009 | 06681 | | | | | | | |
| | | | | 1552-111 | 9/15/2009 | 06807 | | | | | 2.6 | | |
| | | | | 1552-159 | 9/21/2009 | 33355 | | | | | 0.091 | | |
| | | | | 1552-200 | 9/29/2009 | 34473 | | | | | | | |
| | | | | 1552-228 | 10/6/2009 | 35248 | | | | | 0.028 | | |
| | | | | 1552-260 | 10/21/2009 | 37169 | | | | | 0.032 | | |
| | | | | 1552-296 | 11/4/2009 | 39186 | | | | 0.024 | | | |
| | | | | 1552-317 | 11/18/2009 | 40449 | | | | | 0.02 | | |
| | | | | 1552-332 | 12/2/2009 | 41519 | | | | | 0.015 | | |
| | | | | 1552-349 | 12/16/2009 | 43385 | | | | 0.021 | 0.35 | 0.021 | |
| | | | | 1552-366 | 1/6/2010 | 00349 | | | | | 0.21 | 0.013 | |
| | | | | 1552-383 | 1/20/2010 | 01538 | | | | | 0.5 | 0.024 | |
| | | | | 0552-922 | 8/11/2010 | 25779 | | | | <.01 | 0.04 | <1.0 | 0.422 |
| | | | | 0552-936 | 8/25/2010 | 27336 | | | | <.01 | <.05 | <1.0 | 0.436 |
| | | | | 0552-949 | 9/8/2010 | 28689 | | | | <.01 | <.05 | <1.0 | 1.333 |
| | | | | 0552-963 | 9/22/2010 | 29661 | | | | <.01 | <.05 | <1.0 | 0.505 |
| 0552-977 | 10/6/2010 | 31139 | | | | <.01 | <.05 | <1.0 | 0.432 | | | | |
| 0552-991 | 10/20/2010 | 32724 | | | | <.01 | <.05 | <1.0 | 0.044 | | | | |
| 0.6 | WV Fork Dunkard Creek 50' US Outfall 003 | 39° 42' 48" | 80° 17' 17" | 1552 | 9/15/2009 | Field Data Only | | | | | | | |
| | | | | | 9/21/2009 | | | | | | | | |
| | | | | 1552-202 | 9/29/2009 | 34474 | | | | | | | |
| | | | | 1552-230 | 10/6/2009 | 35249, | | | | | 0.027 | | |
| | | | | 1552-264 | 10/21/2009 | 37173 | | | | 0.09 | 1.08 | | |
| | | | | 1552-297 | 11/4/2009 | 39187 | | | | | 0.015 | | |
| | | | | 1552-318 | 11/18/2009 | 40450 | | | | | 0.022 | | |
| | | | | 1552-333 | 12/2/2009 | 41520 | | | | 0.14 | 0.017 | | |
| | | | | 1552-350 | 12/16/2009 | 43387 | | | | 0.49 | 0.017 | | |
| | | | | 1552-367 | 1/6/2010 | 00350 | | | | 0.32 | 0.013 | | |
| | | | | 1552-384 | 1/20/2010 | 01539 | | | | 0.66 | 0.019 | | |
| | | | | 0552-923 | 8/11/2010 | 25793 | | | | <.01 | <.05 | <1.0 | 0.255 |
| | | | | 0552-937 | 8/25/2010 | 27337 | | | | <.01 | <.05 | <1.0 | 0.067 |
| | | | | 0552-950 | 9/8/2010 | 28690 | | | | <.01 | <.05 | <1.0 | 0.076 |
| | | | | 0552-964 | 9/22/2010 | 29662 | | | | <.01 | <.05 | 1.08 | 0.072 |
| 0552-978 | 10/6/2010 | 31140 | | | | <.01 | 0.22 | <1.0 | 0.059 | | | | |

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| SAMPLE INFORMATION | | | | | | | VOLATILE ORGANICS | | | | | | | |
|--------------------|---|------------------|---------------|---------------|-------------------|--------------------|-------------------|--------------------------------|---------------|----------------------|-------------------|------------------------------|--|--|
| | | | | | | | NITRITE (mg/L) | NITRATE / NITRITE (mg/L) | TKN (mg/L) | PHOSPHORUS (mg/L) | Acetone (ug/L) | t-Butyl Alcohol (ug/L) | | |
| RMI | SAMPLE LOCATION | LATITUDE | LONGITUDE | SAMPLE ID# | DATE COLLECTED | LAB ID# | | | | 750 (AFC) | | | | |
| | | | | 0552-992 | 10/20/2010 | 32725 | <.01 | <.05 | <1.0 | 0.081 | | | | |
| 0.5 | Blacksville #2 discharge from Beaver Pond or Pond Itself Outfall 003 | 39° 42' 52" | 80° 17' 15" | 0552-925 | 8/11/2010 | 25794 | 0.01 | 0.01 | <1.0 | 0.037 | | | | |
| | | | | 0552-939 | 8/25/2010 | ND | | | | | | | | |
| | | | | 0552-952 | 9/8/2010 | ND | | | | | | | | |
| | | | | 0552-966 | 9/22/2010 | ND | | | | | | | | |
| | | | | 0552-979 | 10/6/2010 | ND | | | | | | | | |
| | | | | 0552-994 | 10/20/2010 | ND | | | | | | | | |
| 0.4 | Blacksville #2 Mine Outfall 005 Discharge to WV Fork 2000' US jct PA Fork @ Shamrock | 39° 43' 07.6" | 80° 16' 38.8" | 1552 | 9/15/2009 | Field Data Only | | | | | | | | |
| | | | | 1552-148 | 9/17/2009 | 33133 | | | | | | | | |
| | | | | 1552-167 | 9/21/2009 | 33363 | | | | | 0.051 | | | |
| | | | | 1552-204 | 9/29/2009 | 34475 | | | | | | | | |
| | | | | 1552-232 | 10/6/2009 | 35250 | 0.29 | | 1.72 | 0.05 | | | | |
| | | | | 1552-266 | 10/21/2009 | 37174 | | 0.55 | | 0.039 | | | | |
| | | | | 1552-298 | 11/4/2009 | 39188 | | 0.3 | | 0.029 | | | | |
| | | | | 1552-319 | 11/18/2009 | 40504 | | 0.28 | | 0.022 | | | | |
| | | | | 1552-334 | 12/2/2009 | 41545 | | 0.33 | | 0.021 | | | | |
| | | | | 1552-351 | 12/16/2009 | 43377 | | 0.64 | | 0.021 | | | | |
| | | | | 1552-368 | 1/6/2010 | 00351 | | 0.4 | | 0.014 | | | | |
| | | | | 1552-385 | 1/20/2010 | 01515 | | 0.92 | | 0.019 | | | | |
| | | | | 0552-938 | 8/25/2010 | ND | | | | | | | | |
| | | | | 0552-950 | 9/8/2010 | ND | | | | | | | | |
| | | | | 0552-965 | 9/22/2010 | ND | | | | | | | | |
| 0552-980 | 10/6/2010 | ND | | | | | | | | | | | | |
| 0552-993 | 10/20/2010 | ND | | | | | | | | | | | | |
| | | | | 1552-090 | 9/10/2009 | 06684 | | | | | | | | |
| | | | | 1552-117 | 9/15/2009 | 06808 | | | | | | | | |
| | | | | 1552-151 | 9/17/2009 | 33136 | | | | | | | | |
| | | | | 1552-163 | 9/21/2009 | 33359 | | | | 0.116 | | | | |
| | | | | 1552-206 | 9/29/2009 | 34478 | | | | | | | | |
| | | | | 1552-234 | 10/6/2009 | 35253 | | | | 0.028 | | | | |
| | | | | 1552-268 | 10/21/2009 | 37185 | | 0.11 | | 0.018 | | | | |
| | | | | 1552-299 | 11/4/2009 | 39189 | | ~ | | 0.014 | | | | |

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| SAMPLE INFORMATION | | | | | | | VOLATILE ORGANICS | | | | | |
|--------------------|-----------------------------|--------------------|---------------------|---------------|-------------------|------------|-------------------|--------------------------------|---------------|----------------------|-------------------|------------------------------|
| | | | | | | | NITRITE (mg/L) | NITRATE / NITRITE (mg/L) | TKN (mg/L) | PHOSPHORUS (mg/L) | Acetone (ug/L) | t-Butyl Alcohol (ug/L) |
| RMI | SAMPLE LOCATION | LATITUDE | LONGITUDE | SAMPLE ID# | DATE COLLECTED | LAB ID# | | | 750 (AFC) | | | |
| 0.2 | WV Fork Dunkard Creek | 39° 43' 18.3" | 80° 16' 25.1" | 1552-320 | 11/18/2009 | 40505 | | 0.28 | | 0.022 | | |
| | | | | 1552-335 | 12/2/2009 | 41546 | | 0.13 | | 0.016 | | |
| | | | | 1552-352 | 12/16/2009 | 43378 | | 0.49 | | 0.019 | | |
| | | | | 1552-369 | 1/6/2010 | 00352 | | 0.32 | | 0.014 | | |
| | | | | 1552-386 | 1/20/2010 | 01540 | | 0.67 | | 0.019 | | |
| | | | | 0552-926 | 8/11/2010 | 25803 | <.01 | <.05 | <1.0 | 0.046 | | |
| | | | | 0552-940 | 8/25/2010 | 27366 | <.01 | <.05 | <1.0 | 0.081 | | |
| | | | | 0552-953 | 9/8/2010 | 28664 | <.01 | <.05 | <1.0 | 0.045 | | |
| | | | | 0552-967 | 9/22/2010 | 29663 | <.01 | <.05 | <1.0 | 0.043 | | |
| | | | | 0552-981 | 10/6/2010 | 31137 | <.01 | 0.3 | <1.0 | 0.043 | | |
| 0552-995 | 10/20/2010 | 32726 | <.01 | <.05 | <1.0 | 0.051 | | | | | | |
| 41 | Dunkard Creek @ Brave | 39° 43' 39.0" | 080° 15' 21.9" | 1552-085 | 9/10/2009 | 06683 | | | | 3.3 | 9 | |
| | | | | 1552-123 | 9/15/2009 | 06809 | | | | | ~ | ~ |
| | | | | 1552-171 | 9/21/2009 | 33367 | | | | 0.214 | | |
| | | | | 1552-208 | 9/29/2009 | 34479 | | | | | | |
| | | | | 1552-236 | 10/6/2009 | 35254 | | | | 0.056 | | |
| | | | | 1552-270 | 10/21/2009 | 37184 | | 0.11 | | 0.028 | | |
| | | | | 1552-300 | 11/4/2009 | 39190 | | | | 0.022 | | |
| | | | | 1552-321 | 11/18/2009 | 40444 | | | | 0.032 | | |
| | | | | 1552-336 | 12/2/2009 | 41539 | | | | 0.019 | | |
| | | | | 1552-353 | 12/16/2009 | 43373 | | 0.43 | | 0.027 | | |
| | | | | 1552-370 | 1/6/2010 | 00343 | | 0.28 | | 0.014 | | |
| | | | | 1552-387 | 1/20/2010 | 01516 | | 0.55 | | 0.024 | | |
| | | | | 0552-927 | 8/11/2010 | 25804 | <.01 | <.05 | <1.0 | 0.064 | | |
| | | | | 0552-941 | 8/25/2010 | 27367 | 0.01 | 0.14 | <1.0 | 0.076 | | |
| | | | | 0552-954 | 9/8/2010 | 28665 | 0.01 | 0.01 | 1.61 | 0.106 | | |
| 0552-968 | 9/22/2010 | 29664 | <.01 | <.05 | 1.04 | 0.071 | | | | | | |
| 0552-982 | 10/6/2010 | 31138 | <.01 | 0.15 | <1.0 | 0.057 | | | | | | |
| 0552-996 | 10/20/2010 | 32727 | <.01 | <.05 | <1.0 | 0.054 | | | | | | |
| 39.2 | Miracle Run @ Mouth | N 39° 43' 05.0" | W 080° 14' 28.8" | 1552-142 | 9/17/2009 | 33127 | | | | | | |
| | | | | 1552-175 | 9/21/2009 | 33371 | | | | 0.029 | | |
| | | | | 1552-208 | 9/29/2009 | 34479 | | | | | | |
| | | | | 1552-238 | 10/6/2009 | 35251 | 5.95 | | | 0.025 | | |
| | | | | 1552-272 | 10/21/2009 | 37172 | | 1.79 | | 0.015 | | |
| | | | | 1552-301 | 11/4/2009 | 39191 | | 3.53 | 1.03 | 0.01 | | |

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| SAMPLE INFORMATION | | | | | | | VOLATILE ORGANICS | | | | | | |
|--------------------|--|------------------|---------------|---------------|-------------------|--------------------|-------------------|--------------------------------|---------------|----------------------|-------------------|------------------------------|--|
| | | | | | | | NITRITE (mg/L) | NITRATE / NITRITE (mg/L) | TKN (mg/L) | PHOSPHORUS (mg/L) | Acetone (ug/L) | t-Butyl Alcohol (ug/L) | |
| RMI | SAMPLE LOCATION | LATITUDE | LONGITUDE | SAMPLE ID# | DATE COLLECTED | LAB ID# | | | | 750 (AFC) | | | |
| | | | | 1552-322 | 11/18/2009 | 40445 | | 4.47 | 1.19 | 0.014 | | | |
| | | | | 1552-337 | 12/2/2009 | 41540 | | 2.22 | 2.13 | 0.013 | | | |
| | | | | 1552-354 | 12/16/2009 | 43374 | | 1.01 | 1.3 | 0.025 | | | |
| | | | | 1552-371 | 1/6/2010 | 00344 | | 0.79 | 1.39 | ~ | | | |
| 37.5 | Dunkard Creek @ Blacksville | 39° 43' 15.7" | 80° 13' 20.6" | 1552 | 9/17/2009 | Field Data Only | | | | | | | |
| | | | | 1552 | 9/21/2009 | Field Data Only | | | | | | | |
| | | | | 1552-214 | 9/29/2009 | 34471 | | | | | | | |
| | | | | 1552-240 | 10/6/2009 | 35252 | 1.79 | | | | 0.033 | | |
| | | | | 1552-274 | 10/21/2009 | 37171 | | 0.46 | | | 0.022 | | |
| | | | | 1552-302 | 11/4/2009 | 39207 | | 0.84 | | | 0.017 | | |
| | | | | 1552-323 | 11/18/2009 | 40446 | | 1.54 | | | 0.019 | | |
| | | | | 1552-338 | 12/2/2009 | 41541 | | 0.76 | | | 0.016 | | |
| | | | | 1552-355 | 12/16/2009 | 43375 | | 0.59 | | | 0.022 | | |
| | | | | 1552-372 | 1/6/2010 | 00345 | | 0.41 | | | 0.012 | | |
| | | | | 0552-928 | 8/11/2010 | 25782 | 0.06 | 1.84 | <1.0 | | 0.038 | | |
| | | | | 0552-942 | 8/25/2010 | 27380 | 0.05 | 1.44 | <1.0 | | 0.038 | | |
| | | | | 0552-955 | 9/8/2010 | 28666 | <.01 | <.05 | <1.0 | | 0.04 | | |
| | | | | 0552-969 | 9/22/2010 | 29696 | 0.17 | 2.03 | 6.32 | | 0.047 | | |
| | | | | 0552-983 | 10/6/2010 | 31161 | 0.25 | 2.43 | 5.54 | | 0.032 | | |
| 0552-997 | 10/20/2010 | 32721 | 0.32 | 4.06 | <1.0 | | 0.026 | | | | | | |
| 30.3 | Dunkard Creek @ Route 7 bridge in Pentress | 39° 42' 43" | 80° 9' 43" | 1552-214 | 9/29/2009 | 34471 | | | | | | | |
| | | | | 1552-242 | 10/6/2009 | 35245 | 0.76 | | | 0.067 | | | |
| | | | | 1552-276 | 10/21/2009 | 37148 | | 0.61 | | 0.023 | | | |
| | | | | 1552-303 | 11/4/2009 | 39208 | | 0.6 | | 0.018 | | | |
| | | | | 1552-324 | 11/18/2009 | 40451 | | 0.58 | | 0.023 | | | |
| | | | | 1552-339 | 12/2/2009 | 41516 | | 1.12 | | 0.016 | | | |
| | | | | 1552-356 | 12/16/2009 | 43391 | | 0.65 | | 0.021 | | | |
| | | | | 1552-373 | 1/6/2010 | 00346 | | 0.45 | | 0.012 | | | |
| | | | | 0552-929 | 8/11/2010 | 25783 | <.01 | 0.18 | <1.0 | | 0.038 | | |
| | | | | 0552-943 | 8/25/2010 | 27381 | <.01 | 0.19 | <1.0 | | 0.06 | | |
| | | | | 0552-956 | 9/8/2010 | 28667 | <.01 | <.05 | <1.0 | | 0.037 | | |
| | | | | 0552-970 | 9/22/2010 | 29697 | <.01 | <.05 | <1.0 | | 0.043 | | |
| 0552-984 | 10/6/2010 | 31162 | 0.27 | 2.08 | 5.46 | | 0.027 | | | | | | |

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| SAMPLE INFORMATION | | | | | | | VOLATILE ORGANICS | | | | | | | |
|--------------------|---|------------------|---------------|---------------|-------------------|------------|-------------------|--------------------------------|---------------|----------------------|-------------------|------------------------------|--|--|
| | | | | | | | NITRITE (mg/L) | NITRATE / NITRITE (mg/L) | TKN (mg/L) | PHOSPHORUS (mg/L) | Acetone (ug/L) | t-Butyl Alcohol (ug/L) | | |
| RMI | SAMPLE LOCATION | LATITUDE | LONGITUDE | SAMPLE ID# | DATE COLLECTED | LAB ID# | | | | 750 (AFC) | | | | |
| | | | | 0552-998 | 10/20/2010 | 32722 | 0.04 | 3.11 | <1.0 | 0.027 | | | | |
| 22.8 | Dunkard Creek @ Mason Dixon Park | 39° 42' 55.7" | 80° 06' 40.8" | 1552-129 | 9/15/2009 | 06810 | | | | | ~ | ~ | | |
| | | | | 1552-179 | 9/21/2009 | 33375 | | | | 0.134 | | | | |
| | | | | 1552-216 | 9/29/2009 | 34472 | | | | | | | | |
| | | | | 1552-244 | 10/6/2009 | 35246 | 0.1 | | 1.02 | 0.057 | | | | |
| | | | | 1552-278 | 10/21/2009 | 37149 | | 0.62 | | 0.021 | | | | |
| | | | | 1552-304 | 11/4/2009 | 39209 | | 0.36 | | 0.017 | | | | |
| | | | | 1552-325 | 11/18/2009 | 40452 | | 0.32 | | 0.018 | | | | |
| | | | | 1552-340 | 12/2/2009 | 41517 | | 1.12 | | 0.016 | | | | |
| | | | | 1552-357 | 12/16/2009 | 43392 | | 0.66 | | 0.02 | | | | |
| | | | | 1552-374 | 1/6/2010 | 00347 | | 0.46 | | 0.012 | | | | |
| | | | | 0552-930 | 8/11/2010 | 25835 | <.01 | <.05 | <1.0 | 0.042 | | | | |
| | | | | 0552-944 | 8/25/2010 | 27389 | <.01 | <.05 | <1.0 | 0.047 | | | | |
| | | | | 0552-957 | 9/8/2010 | 28699 | 0.01 | <.05 | <1.0 | 0.106 | | | | |
| | | | | 0552-971 | 9/22/2010 | 29725 | <.01 | <.05 | <1.0 | 0.037 | | | | |
| | | | | 0552-985 | 10/6/2010 | 31135 | 0.18 | 1.7 | 3 | 0.032 | | | | |
| | | | | 0552-999 | 10/20/2010 | 32715 | 0.04 | 1.83 | <1.0 | 0.023 | | | | |
| | | | | CMU* | 9/17/2009 | NA | | | | NA | | | | |
| | | | | CMU* | 9/22/2009 | NA | | | | NA | | | | |
| | | | | CMU* | 9/29/2009 | NA | | | | NA | | | | |
| | | | | CMU* | 10/6/2009 | NA | | | | NA | | | | |
| | | | | CMU* | 10/13/2009 | NA | | | | NA | | | | |
| | | | | CMU* | 10/20/2009 | NA | | | | NA | | | | |
| | | | | CMU* | 10/27/2009 | NA | | | | NA | | | | |
| | | | | CMU* | 11/3/2009 | NA | | | | NA | | | | |
| | | | | CMU* | 11/10/2009 | NA | | | | NA | | | | |
| | | | | CMU* | 11/17/2009 | NA | | | | NA | | | | |
| | | | | CMU* | 11/24/2009 | NA | | | | NA | | | | |
| | | | | CMU* | 12/1/2009 | NA | | | | NA | | | | |
| | | | | CMU* | 12/8/2009 | NA | | | | NA | | | | |
| | | | | CMU* | 12/15/2009 | NA | | | | NA | | | | |
| | | | | CMU* | 1/5/2010 | NA | | | | NA | | | | |
| | | | | CMU* | 1/12/2010 | NA | | | | NA | | | | |
| | | | | CMU* | 1/19/2010 | NA | | | | NA | | | | |
| | | | | CMU* | 2/3/2010 | NA | | | | NA | | | | |

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| SAMPLE INFORMATION | | | | | | | VOLATILE ORGANICS | | | | | |
|--------------------|--------------------|----------|-----------|---------------|-------------------|------------|-------------------|--------------------------------|---------------|----------------------|-------------------|------------------------------|
| | | | | | | | NITRITE (mg/L) | NITRATE / NITRITE (mg/L) | TKN (mg/L) | PHOSPHORUS (mg/L) | Acetone (ug/L) | t-Butyl Alcohol (ug/L) |
| RMI | SAMPLE LOCATION | LATITUDE | LONGITUDE | SAMPLE ID# | DATE COLLECTED | LAB ID# | | | 750 (AFC) | | | |
| 15 | East Dunkard | | | CMU* | 2/23/2010 | NA | | | | | | |
| | | | | CMU* | 3/9/2010 | NA | | | | | | |
| | | | | CMU* | 3/23/2010 | NA | | | | | | |
| | | | | CMU* | 4/6/2010 | NA | | | | | | |
| | | | | CMU* | 4/20/2010 | NA | | | | | | |
| | | | | CMU* | 5/4/2010 | NA | | | | | | |
| | | | | CMU* | 5/18/2010 | NA | | | | | | |
| | | | | CMU* | 5/25/2010 | NA | | | | | | |
| | | | | CMU* | 6/1/2010 | NA | | | | | | |
| | | | | CMU* | 6/8/2010 | NA | | | | | | |
| | | | | CMU* | 6/15/2010 | NA | | | | | | |
| | | | | CMU* | 6/29/2010 | NA | | | | | | |
| | | | | CMU* | 7/5/2010 | NA | | | | | | |
| | | | | CMU* | 7/13/2010 | NA | | | | | | |
| | | | | CMU* | 7/22/2010 | NA | | | | | | |
| | | | | CMU* | 7/27/2010 | NA | | | | | | |
| | | | | CMU* | 8/5/2010 | NA | | | | | | |
| | | | | CMU* | 8/10/2010 | NA | | | | | | |
| | | | | CMU* | 8/17/2010 | NA | | | | | | |
| | | | | CMU* | 8/24/2010 | NA | | | | | | |
| | | | | CMU* | 8/31/2010 | NA | | | | | | |
| | | | | CMU* | 9/7/2010 | NA | | | | | | |
| | | | | CMU* | 9/14/2010 | NA | | | | | | |
| | | | | CMU* | 9/21/2010 | NA | | | | | | |
| | | | | CMU* | 9/29/2010 | NA | | | | | | |
| | | | | CMU* | 10/7/2010 | NA | | | | | | |
| | | | | CMU* | 10/11/2010 | NA | | | | | | |
| | | | | CMU* | 10/19/2010 | NA | | | | | | |
| | | | | CMU* | 10/26/2010 | NA | | | | | | |
| | | | | CMU* | 11/3/2010 | NA | | | | | | |
| CMU* | 12/14/2010 | NA | | | | | | | | | | |
| CMU* | 1/19/2011 | NA | | | | | | | | | | |
| CMU* | 2/16/2011 | NA | | | | | | | | | | |
| CMU* | 3/16/2011 | NA | | | | | | | | | | |

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| SAMPLE INFORMATION | | | | | | | VOLATILE ORGANICS | | | | | | | |
|--------------------|--|---------------|---------------|------------|----------------|---------|-------------------|--------------------------------|---------------|----------------------|-------------------|------------------------------|-------|--|
| | | | | | | | NITRITE (mg/L) | NITRATE / NITRITE (mg/L) | TKN (mg/L) | PHOSPHORUS (mg/L) | Acetone (ug/L) | t-Butyl Alcohol (ug/L) | | |
| RMI | SAMPLE LOCATION | LATITUDE | LONGITUDE | SAMPLE ID# | DATE COLLECTED | LAB ID# | | | | 750 (AFC) | | | | |
| 13 | Dunkard Creek DC5 | | | 7485-701 | 10/21/2008 | 38485 | | | | <200 | | | | |
| 10.9 | Dunkard Creek @ end of Bald Hill Church Road | 39° 45' 20.0" | 80° 00' 43.4" | 1552-100 | 9/10/2009 | 06686 | | | | | | | | |
| | | | | 1552-135 | 9/15/2009 | 06811 | | | | | | | | |
| | | | | 1552-183 | 9/21/2009 | 33379 | | | | | 0.432 | | | |
| | | | | 1552-218 | 9/29/2009 | 34467 | | | | | | | | |
| | | | | 1552-246 | 10/6/2009 | 35243 | | | | | 0.077 | | | |
| | | | | 1552-280 | 10/21/2009 | 37164 | | | | 0.58 | | 0.023 | | |
| | | | | 1552-305 | 11/4/2009 | 39193 | | | | 0.1 | | 0.016 | | |
| | | | | 1552-326 | 11/18/2009 | 40453 | | | | 0.06 | | 0.024 | | |
| | | | | 1552-341 | 12/2/2009 | 41518 | | | | 0.52 | | 0.021 | | |
| | | | | 1552-358 | 12/16/2009 | 43393 | | | | 0.64 | | 0.019 | | |
| | | | | 1552-375 | 1/6/2010 | 00348 | | | | 0.45 | | 0.017 | | |
| | | | | 0552-931 | 8/11/2010 | 25836 | | | | <.01 | <.05 | <1.0 | 0.048 | |
| | | | | 0552-945 | 8/25/2010 | 27390 | | | | <.01 | <.05 | <1.0 | 0.084 | |
| | | | | 0552-958 | 9/8/2010 | 28700 | | | | <.01 | <.05 | <1.0 | 0.03 | |
| | | | | 0552-972 | 9/22/2010 | 29726 | | | | <.01 | <.05 | <1.0 | 0.034 | |
| 0552-986 | 10/6/2010 | 31136 | | | | 0.07 | 0.97 | 2.13 | 0.028 | | | | | |
| 0552-001 | 10/20/2010 | 32716 | | | | 0.06 | 1.41 | <1.0 | 0.042 | | | | | |
| 10.8 | SHANNOPIN MINE DISCHARGE | 39° 45' 20.3" | 80° 00' 35.0" | 1552-141 | 9/15/2009 | 32737 | | | | | | | | |
| | | | | 1552-187 | 9/21/2009 | 34468 | | | | | 0.152 | | | |
| | | | | 1552-220 | 9/29/2009 | 34468 | | | | | | | | |
| | | | | 1552-248 | 10/6/2009 | 35244 | 0.1 | | 4.57 | 0.198 | | | | |
| | | | | 1552-282 | 10/21/2009 | 37165 | | | 1.32 | 3.98 | 0.387 | | | |
| | | | | 1552-306 | 11/4/2009 | 39194 | | | 1.19 | 4.67 | 0.219 | | | |
| | | | | 1552-327 | 11/18/2009 | 40447 | | | 1.35 | 3.52 | 1.161 | | | |
| | | | | 1552-342 | 12/2/2009 | 41543 | | | 1.8 | 3.88 | 0.43 | | | |
| | | | | 1552-376 | 1/6/2010 | 00353 | | | 0.65 | | 0.038 | | | |
| | | | | 1552-388 | 1/20/2010 | 01541 | | | 0.63 | 4.74 | 0.227 | | | |
| | | | | 7485-704 | 10/21/2008 | 38488 | | | | | | <200 | | |
| | | | | 0552-932 | 8/11/2010 | 25861 | 1.81 | 2.13 | 4.03 | 1.223 | | | | |
| | | | | 0552-946 | 8/25/2010 | 27387 | 2.55 | 2.9 | 4.25 | 1.472 | | | | |
| | | | | 0552-959 | 9/8/2010 | 28651 | 2.38 | 2.82 | 3.82 | 0.511 | | | | |
| | | | | 0552-973 | 9/22/2010 | 29656 | 2.04 | 2.46 | 4.08 | 0.201 | | | | |
| 0552-987 | 10/6/2010 | 31132 | 1.71 | 2.09 | 4.38 | 0.133 | | | | | | | | |

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| SAMPLE INFORMATION | | | | | | | VOLATILE ORGANICS | | | | | | |
|--------------------|--|------------------|-------------------|---------------|-------------------|------------|-------------------|--------------------------------|---------------|----------------------|-------------------|------------------------------|--|
| | | | | | | | NITRITE (mg/L) | NITRATE / NITRITE (mg/L) | TKN (mg/L) | PHOSPHORUS (mg/L) | Acetone (ug/L) | t-Butyl Alcohol (ug/L) | |
| RMI | SAMPLE LOCATION | LATITUDE | LONGITUDE | SAMPLE ID# | DATE COLLECTED | LAB ID# | | | | 750 (AFC) | | | |
| | | | | 0552-002 | 10/20/2010 | 32760 | 2.08 | 2.55 | 4.14 | 0.273 | | | |
| 9.8 | Dunkard Creek DC5B | | | 7485-702 | 10/21/2008 | 38486 | | | | <200 | | | |
| 9.5 | Dunkard Creek DC6 | | | 7485-703 | 10/21/2008 | 38487 | | | | <200 | | | |
| 6.7 | Dunkard Creek @ LR2008 Bridge | N 39° 44' 52" | W 079° 58' 46" | 1552-192 | 9/21/2009 | 33347 | | | | 0.152 | | | |
| | | | | 1552-222 | 9/29/2009 | 34469 | | | | | | | |
| | | | | 1552-250 | 10/6/2009 | 35242 | 1.8 | | | 0.086 | | | |
| | | | | 1552-284 | 10/21/2009 | 37162 | | 1.11 | 0.056 | | | | |
| | | | | 1552-307 | 11/4/2009 | 39195 | | 0.84 | 0.06 | | | | |
| | | | | 1552-328 | 11/18/2009 | 40448 | | 1.61 | 0.054 | | | | |
| | | | | 1552-343 | 12/2/2009 | 41544 | | 1.36 | 0.073 | | | | |
| | | | | 1552-360 | 12/16/2009 | 43388 | | 0.71 | 0.025 | | | | |
| | | | | 1552-377 | 1/6/2010 | 00354 | | 0.49 | | 0.018 | | | |
| 4.6 | USGS Shannopin Gauge | 39° 45' 33" | 79° 58' 15" | NA | 9/10/2009 | Gage Data | | | | | | | |
| | | | | NA | 9/15/2009 | Gage Data | | | | | | | |
| | | | | NA | 9/17/2009 | Gage Data | | | | | | | |
| | | | | NA | 9/21/2009 | Gage Data | | | | | | | |
| | | | | NA | 9/29/2009 | Gage Data | | | | | | | |
| | | | | NA | 10/6/2009 | Gage Data | | | | | | | |
| | | | | NA | 10/21/2009 | Gage Data | | | | | | | |
| | | | | NA | 11/4/2009 | Gage Data | | | | | | | |
| | | | | NA | 11/18/2009 | Gage Data | | | | | | | |
| | | | | NA | 12/2/2009 | Gage Data | | | | | | | |
| | | | | NA | 12/16/2009 | Gage Data | | | | | | | |
| | | | | NA | 1/6/2010 | Gage Data | | | | | | | |
| | | | | 0552-933 | 8/11/2010 | 35862 | <.01 | <.05 | <1.0 | 0.135 | | | |
| | | | | 0552-947 | 8/25/2010 | 27388 | 0.04 | 0.17 | <1.0 | 0.158 | | | |
| | | | | 0552-960 | 9/8/2010 | 28652 | <.01 | 0.57 | <1.0 | 0.05 | | | |
| | | | | 0552-974 | 9/22/2010 | 29657 | 0.02 | 0.6 | <1.0 | 0.035 | | | |
| | | | | 0552-988 | 10/6/2010 | 31133 | 0.09 | 1.02 | <1.0 | 0.031 | | | |
| 0552-003 | 10/20/2010 | 32761 | <.01 | 0.9 | <1.0 | 1.246 | | | | | | | |

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| SAMPLE INFORMATION | | | | | | | VOLATILE ORGANICS | | | | | | |
|--------------------|--|-------------------|--------------------|---------------|-------------------|------------|-------------------|--------------------------------|---------------|----------------------|-------------------|------------------------------|--|
| | | | | | | | NITRITE (mg/L) | NITRATE / NITRITE (mg/L) | TKN (mg/L) | PHOSPHORUS (mg/L) | Acetone (ug/L) | t-Butyl Alcohol (ug/L) | |
| RMI | SAMPLE LOCATION | LATITUDE | LONGITUDE | SAMPLE ID# | DATE COLLECTED | LAB ID# | | | | 750 (AFC) | | | |
| 4 | Dunkard Creek DC7 | | | 7485-705 | 10/21/2008 | 38489 | | | | 242 | | | |
| 3.46 | Algae Sampling Point | N 39°45' 47.3" | W 079°56' 54.8" | 0577-012 | 11/18/2009 | 40484 | | | | | | | |
| 2.95 | Dunkard Creek DC8A | | | 7485-706 | 10/21/2008 | 38490 | | | | 301 | | | |
| 1 | Dunkard Creek DC8A | | | 7485-707 | 10/21/2008 | 38491 | | | | <200 | | | |
| 0.1 | RMI 0.5 Mouth of Dunkard Creek Under 88 Brdg | N 39° 45' 51" | W 079° 56' 17" | 1552-196 | 9/21/2009 | 33339 | | | | 0.017 | | | |
| | | | | 1552-224 | 9/29/2009 | 34476 | | | | | | | |
| | | | | 1552-252 | 10/6/2009 | 35241 | 0.6 | | | 0.021 | | | |
| | | | | 1552-286 | 10/21/2009 | 37163 | | | 0.43 | 0.012 | | | |
| | | | | 1552-308 | 11/4/2009 | 39235 | | | 0.36 | 0.022 | | | |
| | | | | 1552-329 | 11/18/2009 | 40520 | | | 1.61 | 0.054 | | | |
| | | | | 1552-344 | 12/2/2009 | 41547 | | | 0.33 | 0.013 | | | |
| | | | | 1552-361 | 12/16/2009 | 43389 | | | 0.72 | 0.035 | | | |
| | | | | 0593-020 | 10/15/2008 | 37432 | | | | <200 | | | |
| | | | | 0593-029 | 10/22/2008 | 39040 | | | | <200 | | | |
| | | | | 0552-879 | 11/17/2008 | 42551 | | | | | | | |

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| SAMPLE INFORMATION | | | | | | | SEMI VOLATILE ORGANICS | PESTICIDE | | | | | |
|--------------------|--|---------------|---------------|------------|----------------|-----------------|-----------------------------------|--------------------|-----------|-----------|-----------|-----------|-----------|
| | | | | | | | bis(2-Ethylhexyl)phthalate (ug/L) | ETRIDIAZOLE (ug/L) | Mg (mg/L) | Zn (ug/L) | Mn (ug/L) | Ba (ug/L) | Ca (mg/L) |
| RMI | SAMPLE LOCATION | LATITUDE | LONGITUDE | SAMPLE ID# | DATE COLLECTED | LAB ID# | | | | | 2400 | | |
| 1.1 | PA Fork Dunkard Creek | 39° 43' 44.6" | 80° 16' 42.8" | 1552-075 | 9/10/2009 | 06681 | | | 7.4 | | 72 | 66 | 36.2 |
| | | | | 1552-111 | 9/15/2009 | 06807 | | | 8.1 | | 126 | 75 | 42.1 |
| | | | | 1552-159 | 9/21/2009 | 33355 | | | 8.015 | | 145 | 74 | 40.5 |
| | | | | 1552-200 | 9/29/2009 | 34473 | | | 7.44 | | 47 | 63 | 38.2 |
| | | | | 1552-228 | 10/6/2009 | 35248 | | | 7.388 | | 38 | 59 | 36.2 |
| | | | | 1552-260 | 10/21/2009 | 37169 | | | 5.372 | | 24 | 48 | 28.05 |
| | | | | 1552-296 | 11/4/2009 | 39186 | | | 5.541 | | 27 | 49 | 30.9 |
| | | | | 1552-317 | 11/18/2009 | 40449 | | | 6.69 | | 46 | 58 | 35.4 |
| | | | | 1552-332 | 12/2/2009 | 41519 | | | 6.58 | | 21 | 54 | 37.2 |
| | | | | 1552-349 | 12/16/2009 | 43385 | | | 4.61 | 11.0 | 73.0 | 41.0 | 25.5 |
| | | | | 1552-366 | 1/6/2010 | 00349 | | | 5.01 | | 69.0 | 41 | 26.1 |
| | | | | 1552-383 | 1/20/2010 | 01538 | | | 3.876 | | 50.0 | 37.0 | 21.1 |
| | | | | 0552-922 | 8/11/2010 | 25779 | | | | | | | |
| | | | | 0552-936 | 8/25/2010 | 27336 | | | | | | | |
| | | | | 0552-949 | 9/8/2010 | 28689 | | | | | | | |
| | | | | 0552-963 | 9/22/2010 | 29661 | | | | | | | |
| 0552-977 | 10/6/2010 | 31139 | | | | | | | | | | | |
| 0552-991 | 10/20/2010 | 32724 | | | | | | | | | | | |
| 0.6 | WV Fork Dunkard Creek 50' US Outfall 003 | 39° 42' 48" | 80° 17' 17" | 1552 | 9/15/2009 | Field Data Only | | | | | | | |
| | | | | | 9/21/2009 | | | | 31.1 | | 443 | 90 | 80.8 |
| | | | | 1552-202 | 9/29/2009 | 34474 | | | 23.2 | | 95 | 69 | 44.3 |
| | | | | 1552-230 | 10/6/2009 | 35249, | | | 14.5 | | 91 | 51 | 39.2 |
| | | | | 1552-264 | 10/21/2009 | 37173 | | | 7.253 | 29 | 53 | 45 | 34.38 |
| | | | | 1552-297 | 11/4/2009 | 39187 | | | 7.04 | | 53 | 48 | 30.1 |
| | | | | 1552-318 | 11/18/2009 | 40450 | | | 21.1 | | 76 | 96 | 47.4 |
| | | | | 1552-333 | 12/2/2009 | 41520 | | | 14 | | 47 | 55 | 38 |
| | | | | 1552-350 | 12/16/2009 | 43387 | | | 6.82 | | 101.0 | 46 | 27 |
| | | | | 1552-367 | 1/6/2010 | 00350 | | | 8.64 | | 142 | 48 | 35.9 |
| | | | | 1552-384 | 1/20/2010 | 01539 | | | 5.343 | | 74.0 | 40 | 22.9 |
| | | | | 0552-923 | 8/11/2010 | 25793 | | | | | | | |
| | | | | 0552-937 | 8/25/2010 | 27337 | | | | | | | |
| | | | | 0552-950 | 9/8/2010 | 28690 | | | | | | | |
| | | | | 0552-964 | 9/22/2010 | 29662 | | | | | | | |
| 0552-978 | 10/6/2010 | 31140 | | | | | | | | | | | |

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| SAMPLE INFORMATION | | | | | | | SEMI VOLATILE ORGANICS | PESTICIDE | | | | | |
|--------------------|--|---------------|---------------|------------|----------------|-----------------|-----------------------------------|--------------------|-----------|-----------|-----------|-----------|-----------|
| | | | | | | | bis(2-Ethylhexyl)phthalate (ug/L) | ETRIDIAZOLE (ug/L) | Mg (mg/L) | Zn (ug/L) | Mn (ug/L) | Ba (ug/L) | Ca (mg/L) |
| RMI | SAMPLE LOCATION | LATITUDE | LONGITUDE | SAMPLE ID# | DATE COLLECTED | LAB ID# | | | | | | | |
| | | | | 0552-992 | 10/20/2010 | 32725 | | | | | | 2400 | |
| 0.5 | Blacksville #2 discharge from Beaver Pond or Pond Itself Outfall 003 | 39° 42' 52" | 80° 17' 15" | 0552-925 | 8/11/2010 | 25794 | | | | | | | |
| | | | | 0552-939 | 8/25/2010 | ND | | | | | | | |
| | | | | 0552-952 | 9/8/2010 | ND | | | | | | | |
| | | | | 0552-966 | 9/22/2010 | ND | | | | | | | |
| | | | | 0552-979 | 10/6/2010 | ND | | | | | | | |
| | | | | 0552-994 | 10/20/2010 | ND | | | | | | | |
| 0.4 | Blacksville #2 Mine Outfall 005 Discharge to WV Fork 2000' US jct PA Fork @ Shamrock | 39° 43' 07.6" | 80° 16' 38.8" | 1552 | 9/15/2009 | Field Data Only | | | | | | | |
| | | | | 1552-148 | 9/17/2009 | 33133 | | | 302 | | 876 | | 566 |
| | | | | 1552-167 | 9/21/2009 | 33363 | | | 308 | | 906 | 11 | 580 |
| | | | | 1552-204 | 9/29/2009 | 34475 | | | 141 | | 824 | 17 | 298 |
| | | | | 1552-232 | 10/6/2009 | 35250 | | | 218 | | 1,745 | 19 | 441 |
| | | | | 1552-266 | 10/21/2009 | 37174 | | | 85.75 | | 967 | 32 | 201.6 |
| | | | | 1552-298 | 11/4/2009 | 39188 | | | 85 | | 841 | 31 | 177 |
| | | | | 1552-319 | 11/18/2009 | 40504 | | | 109 | | 946 | 29 | 254 |
| | | | | 1552-334 | 12/2/2009 | 41545 | | | 126 | | 1,020 | 31 | 287 |
| | | | | 1552-351 | 12/16/2009 | 43377 | | | 30.4 | | 395.0 | 38.0 | 81.7 |
| | | | | 1552-368 | 1/6/2010 | 00351 | | | 18.9 | | 479 | 42 | 63.2 |
| | | | | 1552-385 | 1/20/2010 | 01515 | | | 10.8 | | 140.0 | 34.0 | 39.1 |
| | | | | 0552-938 | 8/25/2010 | ND | | | | | | | |
| | | | | 0552-950 | 9/8/2010 | ND | | | | | | | |
| | | | | 0552-965 | 9/22/2010 | ND | | | | | | | |
| 0552-980 | 10/6/2010 | ND | | | | | | | | | | | |
| 0552-993 | 10/20/2010 | ND | | | | | | | | | | | |
| | | | | 1552-090 | 9/10/2009 | 06684 | | 313 | 12 | 606 | 33 | 620 | |
| | | | | 1552-117 | 9/15/2009 | 06808 | | 219 | | 566 | 36 | 421 | |
| | | | | 1552-151 | 9/17/2009 | 33136 | | 175 | | 385 | 37 | 339 | |
| | | | | 1552-163 | 9/21/2009 | 33359 | | 59 | | 285 | 71 | 128 | |
| | | | | 1552-206 | 9/29/2009 | 34478 | | 26.6 | | 96 | 68 | 51.9 | |
| | | | | 1552-234 | 10/6/2009 | 35253 | | 16.6 | | 78 | 48 | 45.1 | |
| | | | | 1552-268 | 10/21/2009 | 37185 | | 7.757 | | 54 | 45 | 35.04 | |
| | | | | 1552-299 | 11/4/2009 | 39189 | | 7.052 | | 50 | 45 | 31.4 | |

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| SAMPLE INFORMATION | | | | | | | SEMI VOLATILE ORGANICS | PESTICIDE | | | | | |
|--------------------|-----------------------|-----------------|------------------|------------|----------------|---------|-----------------------------------|--------------------|-----------|-----------|-----------|-----------|-----------|
| | | | | | | | bis(2-Ethylhexyl)phthalate (ug/L) | ETRIDIAZOLE (ug/L) | Mg (mg/L) | Zn (ug/L) | Mn (ug/L) | Ba (ug/L) | Ca (mg/L) |
| RMI | SAMPLE LOCATION | LATITUDE | LONGITUDE | SAMPLE ID# | DATE COLLECTED | LAB ID# | | | | | | | |
| 0.2 | WV Fork Dunkard Creek | 39° 43' 18.3" | 80° 16' 25.1" | 1552-320 | 11/18/2009 | 40505 | | | 23.4 | | 70 | 96 | 54.3 |
| | | | | 1552-335 | 12/2/2009 | 41546 | | | 14.4 | | 49 | 56 | 38.4 |
| | | | | 1552-352 | 12/16/2009 | 43378 | | | 6.77 | | 94 | 42 | 26 |
| | | | | 1552-369 | 1/6/2010 | 00352 | | | 8.81 | | 142 | 48 | 37.1 |
| | | | | 1552-386 | 1/20/2010 | 01540 | | | 5.195 | | 75 | 38 | 22 |
| | | | | 0552-926 | 8/11/2010 | 25803 | | | | | | | |
| | | | | 0552-940 | 8/25/2010 | 27366 | | | | | | | |
| | | | | 0552-953 | 9/8/2010 | 28664 | | | | | | | |
| | | | | 0552-967 | 9/22/2010 | 29663 | | | | | | | |
| | | | | 0552-981 | 10/6/2010 | 31137 | | | | | | | |
| 0552-995 | 10/20/2010 | 32726 | | | | | | | | | | | |
| 41 | Dunkard Creek @ Brave | 39° 43' 39.0" | 080° 15' 21.9" | 1552-085 | 9/10/2009 | 06683 | 5.18 | ~ | 67.5 | | 455 | 90 | 135 |
| | | | | 1552-123 | 9/15/2009 | 06809 | ~ | ~ | 69.2 | | 325 | 77 | 147 |
| | | | | 1552-171 | 9/21/2009 | 33367 | | | 77.31 | | 606 | 87 | 192 |
| | | | | 1552-208 | 9/29/2009 | 34479 | | | 35.2 | | 220 | 73 | 79.6 |
| | | | | 1552-236 | 10/6/2009 | 35254 | | | 19.3 | | 95 | 59 | 53.1 |
| | | | | 1552-270 | 10/21/2009 | 37184 | | | 7.105 | | 59 | 47 | 36.76 |
| | | | | 1552-300 | 11/4/2009 | 39190 | | | 6.253 | | 47 | 47 | 31.8 |
| | | | | 1552-321 | 11/18/2009 | 40444 | | | 12.4 | | 90 | 71 | 43.1 |
| | | | | 1552-336 | 12/2/2009 | 41539 | | | 14.1 | | 93 | 62 | 44.4 |
| | | | | 1552-353 | 12/16/2009 | 43373 | | | 5.9 | | 91 | 47 | 27.4 |
| | | | | 1552-370 | 1/6/2010 | 00343 | | | 6.9 | | 108 | 46 | 32.2 |
| | | | | 1552-387 | 1/20/2010 | 01516 | | | 5.917 | | 125 | 41 | 25.4 |
| | | | | 0552-927 | 8/11/2010 | 25804 | | | | | | | |
| | | | | 0552-941 | 8/25/2010 | 27367 | | | | | | | |
| | | | | 0552-954 | 9/8/2010 | 28665 | | | | | | | |
| 0552-968 | 9/22/2010 | 29664 | | | | | | | | | | | |
| 0552-982 | 10/6/2010 | 31138 | | | | | | | | | | | |
| 0552-996 | 10/20/2010 | 32727 | | | | | | | | | | | |
| 39.2 | Miracle Run @ Mouth | N 39° 43' 05.0" | W 080° 14' 28.8" | 1552-142 | 9/17/2009 | 33127 | | | 56.6 | | 88 | 69 | 115 |
| | | | | 1552-175 | 9/21/2009 | 33371 | | | 60 | 12 | 85 | 76 | 129 |
| | | | | 1552-208 | 9/29/2009 | 34479 | | | 35.1 | | 55 | 47 | 81 |
| | | | | 1552-238 | 10/6/2009 | 35251 | | | 36.51 | | 42 | 49 | 84.39 |
| | | | | 1552-272 | 10/21/2009 | 37172 | | | 17.54 | 25 | 70 | 44 | 58.51 |
| | | | | 1552-301 | 11/4/2009 | 39191 | | | 24.9 | | 104 | 50 | 62.9 |

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| SAMPLE INFORMATION | | | | | | | SEMI VOLATILE ORGANICS | PESTICIDE | | | | | | |
|--------------------|--|---------------|---------------|------------|----------------|-----------------|-----------------------------------|--------------------|-----------|-----------|-----------|-----------|-----------|--|
| | | | | | | | bis(2-Ethylhexyl)phthalate (ug/L) | ETRIDIAZOLE (ug/L) | Mg (mg/L) | Zn (ug/L) | Mn (ug/L) | Ba (ug/L) | Ca (mg/L) | |
| RMI | SAMPLE LOCATION | LATITUDE | LONGITUDE | SAMPLE ID# | DATE COLLECTED | LAB ID# | | | | | 2400 | | | |
| | | | | 1552-322 | 11/18/2009 | 40445 | | | 38.9 | | 151 | 57 | 81.6 | |
| | | | | 1552-337 | 12/2/2009 | 41540 | | | 21.8 | | 113 | 42 | 58.1 | |
| | | | | 1552-354 | 12/16/2009 | 43374 | | | 12.6 | | 136 | 46 | 36.5 | |
| | | | | 1552-371 | 1/6/2010 | 00344 | | | 13.3 | | 121 | 54 | 39.1 | |
| 37.5 | Dunkard Creek @ Blacksville | 39° 43' 15.7" | 80° 13' 20.6" | 1552 | 9/17/2009 | Field Data Only | | | | | | | | |
| | | | | 1552 | 9/21/2009 | Field Data Only | | | | | | | | |
| | | | | 1552-214 | 9/29/2009 | 34471 | | | 39.1 | | 85 | 58 | 91.1 | |
| | | | | 1552-240 | 10/6/2009 | 35252 | | | 26.8 | | 45 | 47 | 64.7 | |
| | | | | 1552-274 | 10/21/2009 | 37171 | | | 10.77 | | 49 | 43 | 43.66 | |
| | | | | 1552-302 | 11/4/2009 | 39207 | | | 10.5 | | 34 | 41 | 3801 | |
| | | | | 1552-323 | 11/18/2009 | 40446 | | | 19.4 | | 75 | 61 | 55.3 | |
| | | | | 1552-338 | 12/2/2009 | 41541 | | | 16.7 | | 57 | 54 | 50.5 | |
| | | | | 1552-355 | 12/16/2009 | 43375 | | | 7.15 | | 76 | 43 | 29.3 | |
| | | | | 1552-372 | 1/6/2010 | 00345 | | | 8.2 | | 91 | 45 | 33.1 | |
| | | | | 0552-928 | 8/11/2010 | 25782 | | | | | | | | |
| | | | | 0552-942 | 8/25/2010 | 27380 | | | | | | | | |
| | | | | 0552-955 | 9/8/2010 | 28666 | | | | | | | | |
| | | | | 0552-969 | 9/22/2010 | 29696 | | | | | | | | |
| 0552-983 | 10/6/2010 | 31161 | | | | | | | | | | | | |
| 0552-997 | 10/20/2010 | 32721 | | | | | | | | | | | | |
| 30.3 | Dunkard Creek @ Route 7 bridge in Pentress | 39° 42' 43" | 80° 9' 43" | 1552-214 | 9/29/2009 | 34471 | | | 38.7 | | 64 | 67 | 96.9 | |
| | | | | 1552-242 | 10/6/2009 | 35245 | | | 28.4 | | 59 | 59 | 72.1 | |
| | | | | 1552-276 | 10/21/2009 | 37148 | | | 10.12 | | 34 | 47 | 45.97 | |
| | | | | 1552-303 | 11/4/2009 | 39208 | | | 10.1 | | 34 | 42 | 42.7 | |
| | | | | 1552-324 | 11/18/2009 | 40451 | | | 14.2 | | 59 | 56 | 53.2 | |
| | | | | 1552-339 | 12/2/2009 | 41516 | | | 21 | | 35 | 71 | 65.6 | |
| | | | | 1552-356 | 12/16/2009 | 43391 | | | 8.02 | | 66 | 49 | 33.7 | |
| | | | | 1552-373 | 1/6/2010 | 00346 | | | 8.12 | | 64 | 47 | 35.1 | |
| | | | | 0552-929 | 8/11/2010 | 25783 | | | | | | | | |
| | | | | 0552-943 | 8/25/2010 | 27381 | | | | | | | | |
| | | | | 0552-956 | 9/8/2010 | 28667 | | | | | | | | |
| | | | | 0552-970 | 9/22/2010 | 29697 | | | | | | | | |
| 0552-984 | 10/6/2010 | 31162 | | | | | | | | | | | | |

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| SAMPLE INFORMATION | | | | | | | SEMI VOLATILE ORGANICS | PESTICIDE | | | | | | |
|--------------------|----------------------------------|---------------|---------------|------------|----------------|---------|-----------------------------------|--------------------|-----------|-----------|-----------|-----------|-----------|--|
| | | | | | | | bis(2-Ethylhexyl)phthalate (ug/L) | ETRIDIAZOLE (ug/L) | Mg (mg/L) | Zn (ug/L) | Mn (ug/L) | Ba (ug/L) | Ca (mg/L) | |
| RMI | SAMPLE LOCATION | LATITUDE | LONGITUDE | SAMPLE ID# | DATE COLLECTED | LAB ID# | | | | | 2400 | | | |
| | | | | 0552-998 | 10/20/2010 | 32722 | | | | | | | | |
| 22.8 | Dunkard Creek @ Mason Dixon Park | 39° 42' 55.7" | 80° 06' 40.8" | 1552-129 | 9/15/2009 | 06810 | ~ | 0.304 | 25.3 | | 268 | 93 | 67.7 | |
| | | | | 1552-179 | 9/21/2009 | 33375 | | | 30 | | 197 | 92 | 75.6 | |
| | | | | 1552-216 | 9/29/2009 | 34472 | | | 31.5 | | 77 | 83 | 86.5 | |
| | | | | 1552-244 | 10/6/2009 | 35246 | | | 29.1 | | 65 | 67 | 73.9 | |
| | | | | 1552-278 | 10/21/2009 | 37149 | | | 10.96 | | 26 | 49 | 48.08 | |
| | | | | 1552-304 | 11/4/2009 | 39209 | | | 9.82 | | 25 | 43 | 39.2 | |
| | | | | 1552-325 | 11/18/2009 | 40452 | | | 12.5 | | 46 | 52 | 45.5 | |
| | | | | 1552-340 | 12/2/2009 | 41517 | | | 21 | | 35 | 71 | 65.6 | |
| | | | | 1552-357 | 12/16/2009 | 43392 | | | 8.09 | | 52 | 51 | 34.4 | |
| | | | | 1552-374 | 1/6/2010 | 00347 | | | 7.76 | | 47 | 44 | 34 | |
| | | | | 0552-930 | 8/11/2010 | 25835 | | | | | | | | |
| | | | | 0552-944 | 8/25/2010 | 27389 | | | | | | | | |
| | | | | 0552-957 | 9/8/2010 | 28699 | | | | | | | | |
| | | | | 0552-971 | 9/22/2010 | 29725 | | | | | | | | |
| | | | | 0552-985 | 10/6/2010 | 31135 | | | | | | | | |
| 0552-999 | 10/20/2010 | 32715 | | | | | | | | | | | | |
| | | | | CMU* | 9/17/2009 | NA | | | | | | | | |
| | | | | CMU* | 9/22/2009 | NA | | | | | | | | |
| | | | | CMU* | 9/29/2009 | NA | | | | | | | | |
| | | | | CMU* | 10/6/2009 | NA | | | | | | | | |
| | | | | CMU* | 10/13/2009 | NA | | | | | | | | |
| | | | | CMU* | 10/20/2009 | NA | | | | | | | | |
| | | | | CMU* | 10/27/2009 | NA | | | | | | | | |
| | | | | CMU* | 11/3/2009 | NA | | | | | | | | |
| | | | | CMU* | 11/10/2009 | NA | | | | | | | | |
| | | | | CMU* | 11/17/2009 | NA | | | | | | | | |
| | | | | CMU* | 11/24/2009 | NA | | | | | | | | |
| | | | | CMU* | 12/1/2009 | NA | | | | | | | | |
| | | | | CMU* | 12/8/2009 | NA | | | | | | | | |
| | | | | CMU* | 12/15/2009 | NA | | | | | | | | |
| | | | | CMU* | 1/5/2010 | NA | | | | | | | | |
| | | | | CMU* | 1/12/2010 | NA | | | | | | | | |
| | | | | CMU* | 1/19/2010 | NA | | | | | | | | |
| | | | | CMU* | 2/3/2010 | NA | | | | | | | | |

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| SAMPLE INFORMATION | | | | | | | SEMI VOLATILE ORGANICS | PESTICIDE | | | | |
|--------------------|-----------------|----------|-----------|------------|----------------|---------|-----------------------------------|--------------------|-----------|-----------|-----------|-----------|
| | | | | | | | bis(2-Ethylhexyl)phthalate (ug/L) | ETRIDIAZOLE (ug/L) | Mg (mg/L) | Zn (ug/L) | Mn (ug/L) | Ba (ug/L) |
| RMI | SAMPLE LOCATION | LATITUDE | LONGITUDE | SAMPLE ID# | DATE COLLECTED | LAB ID# | | | | | | |
| 15 | East Dunkard | | | CMU* | 2/23/2010 | NA | | | | | | 2400 |
| | | | | CMU* | 3/9/2010 | NA | | | | | | |
| | | | | CMU* | 3/23/2010 | NA | | | | | | |
| | | | | CMU* | 4/6/2010 | NA | | | | | | |
| | | | | CMU* | 4/20/2010 | NA | | | | | | |
| | | | | CMU* | 5/4/2010 | NA | | | | | | |
| | | | | CMU* | 5/18/2010 | NA | | | | | | |
| | | | | CMU* | 5/25/2010 | NA | | | | | | |
| | | | | CMU* | 6/1/2010 | NA | | | | | | |
| | | | | CMU* | 6/8/2010 | NA | | | | | | |
| | | | | CMU* | 6/15/2010 | NA | | | | | | |
| | | | | CMU* | 6/29/2010 | NA | | | | | | |
| | | | | CMU* | 7/5/2010 | NA | | | | | | |
| | | | | CMU* | 7/13/2010 | NA | | | | | | |
| | | | | CMU* | 7/22/2010 | NA | | | | | | |
| | | | | CMU* | 7/27/2010 | NA | | | | | | |
| | | | | CMU* | 8/5/2010 | NA | | | | | | |
| | | | | CMU* | 8/10/2010 | NA | | | | | | |
| | | | | CMU* | 8/17/2010 | NA | | | | | | |
| | | | | CMU* | 8/24/2010 | NA | | | | | | |
| | | | | CMU* | 8/31/2010 | NA | | | | | | |
| | | | | CMU* | 9/7/2010 | NA | | | | | | |
| | | | | CMU* | 9/14/2010 | NA | | | | | | |
| | | | | CMU* | 9/21/2010 | NA | | | | | | |
| | | | | CMU* | 9/29/2010 | NA | | | | | | |
| | | | | CMU* | 10/7/2010 | NA | | | | | | |
| | | | | CMU* | 10/11/2010 | NA | | | | | | |
| | | | | CMU* | 10/19/2010 | NA | | | | | | |
| | | | | CMU* | 10/26/2010 | NA | | | | | | |
| | | | | CMU* | 11/3/2010 | NA | | | | | | |
| CMU* | 12/14/2010 | NA | | | | | | | | | | |
| CMU* | 1/19/2011 | NA | | | | | | | | | | |
| CMU* | 2/16/2011 | NA | | | | | | | | | | |
| CMU* | 3/16/2011 | NA | | | | | | | | | | |

*VanBriesen Research Group, Carnegie Mellon University (CMU)

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| SAMPLE INFORMATION | | | | | | | SEMI VOLATILE ORGANICS | PESTICIDE | | | | | |
|--------------------|--|---------------|---------------|------------|----------------|---------|-----------------------------------|--------------------|-----------|-----------|-----------|-----------|-----------|
| | | | | | | | bis(2-Ethylhexyl)phthalate (ug/L) | ETRIDIAZOLE (ug/L) | Mg (mg/L) | Zn (ug/L) | Mn (ug/L) | Ba (ug/L) | Ca (mg/L) |
| RMI | SAMPLE LOCATION | LATITUDE | LONGITUDE | SAMPLE ID# | DATE COLLECTED | LAB ID# | | | | | | | |
| 13 | Dunkard Creek DC5 | | | 7485-701 | 10/21/2008 | 38485 | | | | | | | 2400 |
| 10.9 | Dunkard Creek @ end of Bald Hill Church Road | 39° 45' 20.0" | 80° 00' 43.4" | 1552-100 | 9/10/2009 | 06686 | | | 21 | 10 | 191 | 109 | 68.2 |
| | | | | 1552-135 | 9/15/2009 | 06811 | | | 23.3 | | 205 | 108 | 70.2 |
| | | | | 1552-183 | 9/21/2009 | 33379 | | | 24.6 | | 270 | 94 | 60.5 |
| | | | | 1552-218 | 9/29/2009 | 34467 | | | 24.3 | | 118 | 96 | 69.5 |
| | | | | 1552-246 | 10/6/2009 | 35243 | | | 28.3 | | 95 | 101 | 81.2 |
| | | | | 1552-280 | 10/21/2009 | 37164 | | | 12.4 | | 32 | 51 | 49.63 |
| | | | | 1552-305 | 11/4/2009 | 39193 | | | 8.997 | | 23 | 41 | 40.8 |
| | | | | 1552-326 | 11/18/2009 | 40453 | | | 11.9 | | 68 | 50 | 44.3 |
| | | | | 1552-341 | 12/2/2009 | 41518 | | | 16 | | 42 | 63 | 57.9 |
| | | | | 1552-358 | 12/16/2009 | 43393 | | | 7.7 | | 36 | 46 | 37.3 |
| | | | | 1552-375 | 1/6/2010 | 00348 | | | 8.57 | | 39 | 46 | 38.1 |
| | | | | 0552-931 | 8/11/2010 | 25836 | | | | | | | |
| | | | | 0552-945 | 8/25/2010 | 27390 | | | | | | | |
| | | | | 0552-958 | 9/8/2010 | 28700 | | | | | | | |
| | | | | 0552-972 | 9/22/2010 | 29726 | | | | | | | |
| 0552-986 | 10/6/2010 | 31136 | | | | | | | | | | | |
| 0552-001 | 10/20/2010 | 32716 | | | | | | | | | | | |
| 10.8 | SHANNOPIN MINE DISCHARGE | 39° 45' 20.3" | 80° 00' 35.0" | 1552-141 | 9/15/2009 | 32737 | | | | | | | |
| | | | | 1552-187 | 9/21/2009 | 34468 | | | | | | | |
| | | | | 1552-220 | 9/29/2009 | 34468 | | | 264 | | 788 | | 748 |
| | | | | 1552-248 | 10/6/2009 | 35244 | | | 217.8 | | 510 | 4000 | 758.6 |
| | | | | 1552-282 | 10/21/2009 | 37165 | | | 232 | | 355 | | 603.4 |
| | | | | 1552-306 | 11/4/2009 | 39194 | | | 252 | | 333 | | 725 |
| | | | | 1552-327 | 11/18/2009 | 40447 | | | 180 | | 142 | | 564 |
| | | | | 1552-342 | 12/2/2009 | 41543 | | | 220 | | 474 | | 841 |
| | | | | 1552-376 | 1/6/2010 | 00353 | | | 8.91 | | 25 | 42 | 130 |
| | | | | 1552-388 | 1/20/2010 | 01541 | | | 219 | | 162 | | 600 |
| | | | | 7485-704 | 10/21/2008 | 38488 | | | | | | | |
| | | | | 0552-932 | 8/11/2010 | 25861 | | | | | | | |
| | | | | 0552-946 | 8/25/2010 | 27387 | | | | | | | |
| | | | | 0552-959 | 9/8/2010 | 28651 | | | | | | | |
| | | | | 0552-973 | 9/22/2010 | 29656 | | | | | | | |
| 0552-987 | 10/6/2010 | 31132 | | | | | | | | | | | |

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| SAMPLE INFORMATION | | | | | | | SEMI VOLATILE ORGANICS | PESTICIDE | | | | | |
|--------------------|-------------------------------|---------------|----------------|------------|----------------|-----------|-----------------------------------|--------------------|-----------|-----------|-----------|-----------|-----------|
| | | | | | | | bis(2-Ethylhexyl)phthalate (ug/L) | ETRIDIAZOLE (ug/L) | Mg (mg/L) | Zn (ug/L) | Mn (ug/L) | Ba (ug/L) | Ca (mg/L) |
| RMI | SAMPLE LOCATION | LATITUDE | LONGITUDE | SAMPLE ID# | DATE COLLECTED | LAB ID# | | | | | | | |
| | | | | 0552-002 | 10/20/2010 | 32760 | | | | | | 2400 | |
| 9.8 | Dunkard Creek DC5B | | | 7485-702 | 10/21/2008 | 38486 | | | | | | | |
| 9.5 | Dunkard Creek DC6 | | | 7485-703 | 10/21/2008 | 38487 | | | | | | | |
| 6.7 | Dunkard Creek @ LR2008 Bridge | N 39° 44' 52" | W 079° 58' 46" | 1552-192 | 9/21/2009 | 33347 | | | 189 | 14 | 589 | 24 | 573 |
| | | | | 1552-222 | 9/29/2009 | 34469 | | | 112 | | 304 | 50 | 327 |
| | | | | 1552-250 | 10/6/2009 | 35242 | | | 140 | | 348 | 41000 | 430.2 |
| | | | | 1552-284 | 10/21/2009 | 37162 | | | 78.86 | | 138 | 36 | 211.8 |
| | | | | 1552-307 | 11/4/2009 | 39195 | | | 76.5 | | 123 | 29 | 206.5 |
| | | | | 1552-328 | 11/18/2009 | 40448 | | | 115 | | 232 | 30 | 368 |
| | | | | 1552-343 | 12/2/2009 | 41544 | | | 62.6 | | 121 | | 221 |
| | | | | 1552-360 | 12/16/2009 | 43388 | | | 8.46 | | 54 | 42 | 37.3 |
| | | | | 1552-377 | 1/6/2010 | 00354 | | 9.9 | | 59 | 44 | 39.1 | |
| 4.6 | USGS Shannopin Gauge | 39° 45' 33" | 79° 58' 15" | NA | 9/10/2009 | Gage Data | | | | | | | |
| | | | | NA | 9/15/2009 | Gage Data | | | | | | | |
| | | | | NA | 9/17/2009 | Gage Data | | | | | | | |
| | | | | NA | 9/21/2009 | Gage Data | | | 233 | | 484 | | 637 |
| | | | | NA | 9/29/2009 | Gage Data | | | | | | | |
| | | | | NA | 10/6/2009 | Gage Data | | | | | | | |
| | | | | NA | 10/21/2009 | Gage Data | | | | | | | |
| | | | | NA | 11/4/2009 | Gage Data | | | | | | | |
| | | | | NA | 11/18/2009 | Gage Data | | | | | | | |
| | | | | NA | 12/2/2009 | Gage Data | | | | | | | |
| | | | | NA | 12/16/2009 | Gage Data | | | | | | | |
| | | | | NA | 1/6/2010 | Gage Data | | | | | | | |
| | | | | 0552-933 | 8/11/2010 | 35862 | | | | | | | |
| | | | | 0552-947 | 8/25/2010 | 27388 | | | | | | | |
| | | | | 0552-960 | 9/8/2010 | 28652 | | | | | | | |
| | | | | 0552-974 | 9/22/2010 | 29657 | | | | | | | |
| 0552-988 | 10/6/2010 | 31133 | | | | | | | | | | | |
| 0552-003 | 10/20/2010 | 32761 | | | | | | | | | | | |

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| SAMPLE INFORMATION | | | | | | | SEMI VOLATILE ORGANICS | PESTICIDE | | | | | |
|--------------------|--|----------------|-----------------|------------|----------------|---------|-----------------------------------|--------------------|-----------|-----------|-----------|-----------|-----------|
| | | | | | | | bis(2-Ethylhexyl)phthalate (ug/L) | ETRIDIAZOLE (ug/L) | Mg (mg/L) | Zn (ug/L) | Mn (ug/L) | Ba (ug/L) | Ca (mg/L) |
| RMI | SAMPLE LOCATION | LATITUDE | LONGITUDE | SAMPLE ID# | DATE COLLECTED | LAB ID# | | | | | | | |
| 4 | Dunkard Creek DC7 | | | 7485-705 | 10/21/2008 | 38489 | | | | | | 2400 | |
| 3.46 | Algae Sampling Point | N 39°45' 47.3" | W 079°56' 54.8" | 0577-012 | 11/18/2009 | 40484 | | | | | | | |
| 2.95 | Dunkard Creek DC8A | | | 7485-706 | 10/21/2008 | 38490 | | | | | | | |
| 1 | Dunkard Creek DC8A | | | 7485-707 | 10/21/2008 | 38491 | | | | | | | |
| 0.1 | RMI 0.5 Mouth of Dunkard Creek Under 88 Brdg | N 39° 45' 51" | W 079° 56' 17" | 1552-196 | 9/21/2009 | 33339 | | 1.06 | 5000 | 53 | 41 | 36 | |
| | | | | 1552-224 | 9/29/2009 | 34476 | | 15.3 | | 95 | 39 | 51.8 | |
| | | | | 1552-252 | 10/6/2009 | 35241 | | 10.8 | | 120 | 43 | 37.7 | |
| | | | | 1552-286 | 10/21/2009 | 37163 | | 11.58 | | 123 | 39 | 39.44 | |
| | | | | 1552-308 | 11/4/2009 | 39235 | | 4.25 | | 45 | 28 | 19 | |
| | | | | 1552-329 | 11/18/2009 | 40520 | | 115 | | 232 | 30 | 368 | |
| | | | | 1552-344 | 12/2/2009 | 41547 | | 6.94 | | 133 | 34 | 27.8 | |
| | | | | 1552-361 | 12/16/2009 | 43389 | | 9.51 | 11 | 172 | 45 | 39.4 | |
| | | | | 0593-020 | 10/15/2008 | 37432 | | | | | | | |
| | | | | 0593-029 | 10/22/2008 | 39040 | | | | | | | |
| | | | | 0552-879 | 11/17/2008 | 42551 | | | | | | | |

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| SAMPLE INFORMATION | | | | | | | METALS | | | | | | | | |
|--------------------|--|---------------|---------------|------------|----------------|-----------------|--------------|-------------|--------------|--------------|---------------|--------------|--------------|---------------|--|
| | | | | | | | Fe (ug/L) | K (mg/L) | Na (ug/L) | Al (ug/L) | Cu (ug/L) | Se (ug/L) | Sr (ug/L) | Pb (ug/L) | |
| RMI | SAMPLE LOCATION | LATITUDE | LONGITUDE | SAMPLE ID# | DATE COLLECTED | LAB ID# | 1500 (AL) | | | | @H=100 9.0 | 4.6 (CFC) | | @H=100 2.5 | |
| 1.1 | PA Fork Dunkard Creek | 39° 43' 44.6" | 80° 16' 42.8" | 1552-075 | 9/10/2009 | 06681 | 534 | 3 | 23 | 311 | | | | | |
| | | | | 1552-111 | 9/15/2009 | 06807 | 1030 | 2.9 | 40.7 | 451 | | | | | |
| | | | | 1552-159 | 9/21/2009 | 33355 | 283 | 3.061 | 38.4 | 116,000 | 2,000 | | | | |
| | | | | 1552-200 | 9/29/2009 | 34473 | 335 | 3.44 | 31.6 | 207 | | | | 191 | |
| | | | | 1552-228 | 10/6/2009 | 35248 | 177 | 3.114 | 30.6 | | | | | 178 | |
| | | | | 1552-260 | 10/21/2009 | 37169 | 274 | 2.268 | 16.03 | | | | | 123 | |
| | | | | 1552-296 | 11/4/2009 | 39186 | 261 | 2.085 | 13.6 | | | | | 126 | |
| | | | | 1552-317 | 11/18/2009 | 40449 | 225 | 2.05 | 21 | | | | | 168 | |
| | | | | 1552-332 | 12/2/2009 | 41519 | 237 | 1.96 | 21.7 | | | | | 165 | |
| | | | | 1552-349 | 12/16/2009 | 43385 | 433.0 | 1.56 | 10.3 | | | | | 111.0 | |
| | | | | 1552-366 | 1/6/2010 | 00349 | 271 | 1.13 | 11.7 | | | | | 115 | |
| | | | | 1552-383 | 1/20/2010 | 01538 | 399.0 | 1.065 | 7.888 | 247 | | | | 86.0 | |
| | | | | 0552-922 | 8/11/2010 | 25779 | | | | | | | | | |
| | | | | 0552-936 | 8/25/2010 | 27336 | | | | | | | | | |
| | | | | 0552-949 | 9/8/2010 | 28689 | | | | | | | | | |
| | | | | 0552-963 | 9/22/2010 | 29661 | | | | | | | | | |
| 0552-977 | 10/6/2010 | 31139 | | | | | | | | | | | | | |
| 0552-991 | 10/20/2010 | 32724 | | | | | | | | | | | | | |
| 0.6 | WV Fork Dunkard Creek 50' US Outfall 003 | 39° 42' 48" | 80° 17' 17" | 1552 | 9/15/2009 | Field Data Only | | | | | | | | | |
| | | | | | 9/21/2009 | | 511 | 5.2 | 738 | | | | | | |
| | | | | 1552-202 | 9/29/2009 | 34474 | 341 | 5.03 | 623 | | | | 611 | | |
| | | | | 1552-230 | 10/6/2009 | 35249, | 298 | 3.598 | 299 | 27,000 | | | 406 | | |
| | | | | 1552-264 | 10/21/2009 | 37173 | 295 | 2.152 | 97.18 | | | | 200 | | |
| | | | | 1552-297 | 11/4/2009 | 39187 | 285 | 1.908 | 80.6 | | | | 201 | | |
| | | | | 1552-318 | 11/18/2009 | 40450 | 368 | 3.33 | 517 | | | | 704 | | |
| | | | | 1552-333 | 12/2/2009 | 41520 | 313 | 2.62 | 253 | | | | 412 | | |
| | | | | 1552-350 | 12/16/2009 | 43387 | 372 | 1.59 | 82.1 | | | | 186 | | |
| | | | | 1552-367 | 1/6/2010 | 00350 | 260 | 1.67 | 137 | | | | 335 | | |
| | | | | 1552-384 | 1/20/2010 | 01539 | 299 | 1.254 | 45.2 | | | | 150 | | |
| | | | | 0552-923 | 8/11/2010 | 25793 | | | | | | | | | |
| | | | | 0552-937 | 8/25/2010 | 27337 | | | | | | | | | |
| | | | | 0552-950 | 9/8/2010 | 28690 | | | | | | | | | |
| | | | | 0552-964 | 9/22/2010 | 29662 | | | | | | | | | |
| 0552-978 | 10/6/2010 | 31140 | | | | | | | | | | | | | |

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| SAMPLE INFORMATION | | | | | | | METALS | | | | | | | | |
|--------------------|--|---------------|---------------|------------|----------------|-----------------|--------------|-------------|--------------|--------------|---------------|--------------|--------------|---------------|--|
| | | | | | | | Fe (ug/L) | K (mg/L) | Na (ug/L) | Al (ug/L) | Cu (ug/L) | Se (ug/L) | Sr (ug/L) | Pb (ug/L) | |
| RMI | SAMPLE LOCATION | LATITUDE | LONGITUDE | SAMPLE ID# | DATE COLLECTED | LAB ID# | 1500 (AL) | | | | @H=100 9.0 | 4.6 (CFC) | | @H=100 2.5 | |
| | | | | 0552-992 | 10/20/2010 | 32725 | | | | | | | | | |
| 0.5 | Blacksville #2 discharge from Beaver Pond or Pond Itself Outfall 003 | 39° 42' 52" | 80° 17' 15" | 0552-925 | 8/11/2010 | 25794 | | | | | | | | | |
| | | | | 0552-939 | 8/25/2010 | ND | | | | | | | | | |
| | | | | 0552-952 | 9/8/2010 | ND | | | | | | | | | |
| | | | | 0552-966 | 9/22/2010 | ND | | | | | | | | | |
| | | | | 0552-979 | 10/6/2010 | ND | | | | | | | | | |
| | | | | 0552-994 | 10/20/2010 | ND | | | | | | | | | |
| 0.4 | Blacksville #2 Mine Outfall 005 Discharge to WV Fork 2000' US jct PA Fork @ Shamrock | 39° 43' 07.6" | 80° 16' 38.8" | 1552 | 9/15/2009 | Field Data Only | | | | | | | | | |
| | | | | 1552-148 | 9/17/2009 | 33133 | 182 | 15 | 5890 | | | | | | |
| | | | | 1552-167 | 9/21/2009 | 33363 | 731 | 14.1 | 5700 | | | | | | |
| | | | | 1552-204 | 9/29/2009 | 34475 | 1,190 | 8.84 | 2,610 | | | | 3,640 | | |
| | | | | 1552-232 | 10/6/2009 | 35250 | 2,827 | 10.57 | 3,600 | | | | 5,899 | | |
| | | | | 1552-266 | 10/21/2009 | 37174 | 933 | 6.326 | 1,542 | | | 7 | 2,313 | | |
| | | | | 1552-298 | 11/4/2009 | 39188 | 830 | 5.743 | 1,360 | | | | 1,999 | | |
| | | | | 1552-319 | 11/18/2009 | 40504 | 939 | 6.29 | 1,690 | | | | 2,490 | | |
| | | | | 1552-334 | 12/2/2009 | 41545 | 942 | 6.92 | 1,950 | | | | 3,050 | | |
| | | | | 1552-351 | 12/16/2009 | 43377 | 588 | 2.78 | 412 | | | | 194 | | |
| | | | | 1552-368 | 1/6/2010 | 00351 | 546 | 1.8 | 176 | | | | 420 | | |
| | | | | 1552-385 | 1/20/2010 | 01515 | 311 | 1.396 | 78.3 | | | | 235 | | |
| | | | | 0552-938 | 8/25/2010 | ND | | | | | | | | | |
| | | | | 0552-950 | 9/8/2010 | ND | | | | | | | | | |
| | | | | 0552-965 | 9/22/2010 | ND | | | | | | | | | |
| | | | | 0552-980 | 10/6/2010 | ND | | | | | | | | | |
| 0552-993 | 10/20/2010 | ND | | | | | | | | | | | | | |
| | | | | 1552-090 | 9/10/2009 | 06684 | 480 | 13.7 | 5480 | | | | | | |
| | | | | 1552-117 | 9/15/2009 | 06808 | 255 | 12.2 | 4080 | | | | | | |
| | | | | 1552-151 | 9/17/2009 | 33136 | 296 | 10.5 | 3600 | | | | | | |
| | | | | 1552-163 | 9/21/2009 | 33359 | 472 | 7.013 | 1,120 | | | | | | |
| | | | | 1552-206 | 9/29/2009 | 34478 | 310 | 5.14 | 710 | | | 680 | | | |
| | | | | 1552-234 | 10/6/2009 | 35253 | 317 | 3.783 | 353 | | | 462 | | | |
| | | | | 1552-268 | 10/21/2009 | 37185 | 304 | 2.27 | 104 | | | 243 | | | |
| | | | | 1552-299 | 11/4/2009 | 39189 | 263 | 1.89 | 87.7 | | | 201 | | | |

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| SAMPLE INFORMATION | | | | | | | METALS | | | | | | | | |
|--------------------|-----------------------|-----------------|------------------|------------|----------------|---------|--------------|-------------|--------------|--------------|---------------|--------------|--------------|---------------|-----|
| | | | | | | | Fe (ug/L) | K (mg/L) | Na (ug/L) | Al (ug/L) | Cu (ug/L) | Se (ug/L) | Sr (ug/L) | Pb (ug/L) | |
| RMI | SAMPLE LOCATION | LATITUDE | LONGITUDE | SAMPLE ID# | DATE COLLECTED | LAB ID# | 1500 (AL) | | | | @H=10C 9.0 | 4.6 (CFC) | | @H=10C 2.5 | |
| 0.2 | WV Fork Dunkard Creek | 39° 43' 18.3" | 80° 16' 25.1" | 1552-320 | 11/18/2009 | 40505 | 377 | 3.51 | 567 | | | | 723 | | |
| | | | | 1552-335 | 12/2/2009 | 41546 | 308 | 2.69 | 278 | | | | | 433 | |
| | | | | 1552-352 | 12/16/2009 | 43378 | 348 | 1.73 | 79.5 | | | | | 194 | |
| | | | | 1552-369 | 1/6/2010 | 00352 | 275 | 1.71 | 139 | | | | | 339 | |
| | | | | 1552-386 | 1/20/2010 | 01540 | 282 | 1.17 | 43 | | | | | 145 | |
| | | | | 0552-926 | 8/11/2010 | 25803 | | | | | | | | | |
| | | | | 0552-940 | 8/25/2010 | 27366 | | | | | | | | | |
| | | | | 0552-953 | 9/8/2010 | 28664 | | | | | | | | | |
| | | | | 0552-967 | 9/22/2010 | 29663 | | | | | | | | | |
| | | | | 0552-981 | 10/6/2010 | 31137 | | | | | | | | | |
| 0552-995 | 10/20/2010 | 32726 | | | | | | | | | | | | | |
| 41 | Dunkard Creek @ Brave | 39° 43' 39.0" | 080° 15' 21.9" | 1552-085 | 9/10/2009 | 06683 | 242 | 5.3 | 1210 | | | | | | |
| | | | | 1552-123 | 9/15/2009 | 06809 | 219 | 5 | 1280 | | | | | | |
| | | | | 1552-171 | 9/21/2009 | 33367 | 250 | 6.934 | 1450 | | | | | | |
| | | | | 1552-208 | 9/29/2009 | 34479 | 365 | 4.97 | 766 | | | | | 911 | |
| | | | | 1552-236 | 10/6/2009 | 35254 | 218 | 4.302 | 374 | | | | | 546 | |
| | | | | 1552-270 | 10/21/2009 | 37184 | 419 | 2.462 | 79.3 | | | | | 231 | |
| | | | | 1552-300 | 11/4/2009 | 39190 | 283 | 2.124 | 52.3 | | | | | 168 | |
| | | | | 1552-321 | 11/18/2009 | 40444 | 365 | 2.41 | 221 | | | | | 362 | |
| | | | | 1552-336 | 12/2/2009 | 41539 | 319 | 2.48 | 232 | | | | | 408 | |
| | | | | 1552-353 | 12/16/2009 | 43373 | 423 | 1.73 | 48.1 | | | | | 163 | |
| | | | | 1552-370 | 1/6/2010 | 00343 | 306 | 1.42 | 68.5 | | | | | 227 | |
| | | | | 1552-387 | 1/20/2010 | 01516 | 425 | 1.33 | 54.6 | 241 | | | | 180 | |
| | | | | 0552-927 | 8/11/2010 | 25804 | | | | | | | | | |
| | | | | 0552-941 | 8/25/2010 | 27367 | | | | | | | | | |
| | | | | 0552-954 | 9/8/2010 | 28665 | | | | | | | | | |
| 0552-968 | 9/22/2010 | 29664 | | | | | | | | | | | | | |
| 0552-982 | 10/6/2010 | 31138 | | | | | | | | | | | | | |
| 0552-996 | 10/20/2010 | 32727 | | | | | | | | | | | | | |
| 39.2 | Miracle Run @ Mouth | N 39° 43' 05.0" | W 080° 14' 28.8" | 1552-142 | 9/17/2009 | 33127 | 227 | 6 | 746 | | | | | | |
| | | | | 1552-175 | 9/21/2009 | 33371 | 175 | 6.814 | 825 | | | | | | |
| | | | | 1552-208 | 9/29/2009 | 34479 | 171 | 4.43 | 441 | | | | | 988 | |
| | | | | 1552-238 | 10/6/2009 | 35251 | 125 | 4.303 | 423 | | | | | 1051 | |
| | | | | 1552-272 | 10/21/2009 | 37172 | 309 | 2.658 | 178.1 | | | | | 458 | |
| | | | | 1552-301 | 11/4/2009 | 39191 | 239 | 2.951 | 292 | | | | | 658 | 1.3 |

*VanBriesen Research Group, Carnegie Mellon University (CMU)

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| SAMPLE INFORMATION | | | | | | | METALS | | | | | | | | |
|--------------------|--|------------------|---------------|------------|----------------|--------------------|--------------|-------------|--------------|--------------|---------------|--------------|--------------|---------------|--|
| | | | | | | | Fe (ug/L) | K (mg/L) | Na (ug/L) | Al (ug/L) | Cu (ug/L) | Se (ug/L) | Sr (ug/L) | Pb (ug/L) | |
| RMI | SAMPLE LOCATION | LATITUDE | LONGITUDE | SAMPLE ID# | DATE COLLECTED | LAB ID# | 1500 (AL) | | | | @H=100 9.0 | 4.6 (CFC) | | @H=100 2.5 | |
| | | | | 1552-322 | 11/18/2009 | 40445 | 240 | 3.8 | 472 | | | | 1050 | | |
| | | | | 1552-337 | 12/2/2009 | 41540 | 266 | 2.77 | 229 | | | | 626 | | |
| | | | | 1552-354 | 12/16/2009 | 43374 | 610 | 1.85 | 94.8 | 264 | | | 290 | | |
| | | | | 1552-371 | 1/6/2010 | 00344 | 258 | 1.55 | 92.6 | | | | 312 | | |
| 37.5 | Dunkard Creek @ Blacksville | 39° 43' 15.7" | 80° 13' 20.6" | 1552 | 9/17/2009 | Field Data Only | | | | | | | | | |
| | | | | 1552 | 9/21/2009 | Field Data Only | | | | | | | | | |
| | | | | 1552-214 | 9/29/2009 | 34471 | 142 | 4.91 | 616 | | | | | 1040 | |
| | | | | 1552-240 | 10/6/2009 | 35252 | 109 | 4.238 | 413 | | | | | 743 | |
| | | | | 1552-274 | 10/21/2009 | 37171 | 350 | 2.449 | 122.1 | | | | | 296 | |
| | | | | 1552-302 | 11/4/2009 | 39207 | 206 | 2.074 | 91.9 | | | | | 240 | |
| | | | | 1552-323 | 11/18/2009 | 40446 | 216 | 2.86 | 275 | | | | | 566 | |
| | | | | 1552-338 | 12/2/2009 | 41541 | 253 | 2.58 | 223 | | | | | 475 | |
| | | | | 1552-355 | 12/16/2009 | 43375 | 393 | 1.75 | 54.7 | | | | | 183 | |
| | | | | 1552-372 | 1/6/2010 | 00345 | 271 | 1.46 | 71 | | | | | 239 | |
| | | | | 0552-928 | 8/11/2010 | 25782 | | | | | | | | | |
| | | | | 0552-942 | 8/25/2010 | 27380 | | | | | | | | | |
| | | | | 0552-955 | 9/8/2010 | 28666 | | | | | | | | | |
| | | | | 0552-969 | 9/22/2010 | 29696 | | | | | | | | | |
| 0552-983 | 10/6/2010 | 31161 | | | | | | | | | | | | | |
| 0552-997 | 10/20/2010 | 32721 | | | | | | | | | | | | | |
| 30.3 | Dunkard Creek @ Route 7 bridge in Pentress | 39° 42' 43" | 80° 9' 43" | 1552-214 | 9/29/2009 | 34471 | 181 | 6.13 | 571 | | | | 1060 | | |
| | | | | 1552-242 | 10/6/2009 | 35245 | 161 | 5.236 | 473 | | | | | 791 | |
| | | | | 1552-276 | 10/21/2009 | 37148 | 244 | 3.109 | 106.9 | | | | | 325 | |
| | | | | 1552-303 | 11/4/2009 | 39208 | 236 | 2.557 | 78.1 | | | | | 249 | |
| | | | | 1552-324 | 11/18/2009 | 40451 | 225 | 3.46 | 142 | | | | | 436 | |
| | | | | 1552-339 | 12/2/2009 | 41516 | 209 | 3.61 | 243 | | | | | 580 | |
| | | | | 1552-356 | 12/16/2009 | 43391 | 373 | 1.97 | 62.4 | | | | | 216 | |
| | | | | 1552-373 | 1/6/2010 | 00346 | 228 | 1.67 | 63.9 | | | | | 239 | |
| | | | | 0552-929 | 8/11/2010 | 25783 | | | | | | | | | |
| | | | | 0552-943 | 8/25/2010 | 27381 | | | | | | | | | |
| | | | | 0552-956 | 9/8/2010 | 28667 | | | | | | | | | |
| | | | | 0552-970 | 9/22/2010 | 29697 | | | | | | | | | |
| 0552-984 | 10/6/2010 | 31162 | | | | | | | | | | | | | |

*VanBriesen Research Group, Carnegie Mellon University (CMU)

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| SAMPLE INFORMATION | | | | | | | METALS | | | | | | | | |
|--------------------|---|------------------|---------------|------------|----------------|---------|--------------|-------------|--------------|--------------|---------------|--------------|--------------|---------------|--|
| | | | | | | | Fe (ug/L) | K (mg/L) | Na (ug/L) | Al (ug/L) | Cu (ug/L) | Se (ug/L) | Sr (ug/L) | Pb (ug/L) | |
| RMI | SAMPLE LOCATION | LATITUDE | LONGITUDE | SAMPLE ID# | DATE COLLECTED | LAB ID# | 1500 (AL) | | | | @H=100 9.0 | 4.6 (CFC) | | @H=100 2.5 | |
| | | | | 0552-998 | 10/20/2010 | 32722 | | | | | | | | | |
| 22.8 | Dunkard Creek @ Mason Dixon Park | 39° 42' 55.7" | 80° 06' 40.8" | 1552-129 | 9/15/2009 | 06810 | 395 | 5.6 | 383 | | | | | | |
| | | | | 1552-179 | 9/21/2009 | 33375 | 212 | 5.887 | 461 | | | | | | |
| | | | | 1552-216 | 9/29/2009 | 34472 | 315 | 6.06 | 472 | | | | | 906 | |
| | | | | 1552-244 | 10/6/2009 | 35246 | 131 | 5.201 | 476 | | | | | 814 | |
| | | | | 1552-278 | 10/21/2009 | 37149 | 203 | 3.365 | 110.1 | | | | | 330 | |
| | | | | 1552-304 | 11/4/2009 | 39209 | 157 | 2.533 | 71.7 | | | | | 245 | |
| | | | | 1552-325 | 11/18/2009 | 40452 | 189 | 2.84 | 108 | | | | | 354 | |
| | | | | 1552-340 | 12/2/2009 | 41517 | 209 | 3.61 | 243 | | | | | 580 | |
| | | | | 1552-357 | 12/16/2009 | 43392 | 378 | 2.02 | 59.3 | | | | | 214 | |
| | | | | 1552-374 | 1/6/2010 | 00347 | 234 | 1.59 | 51 | | | | | 216 | |
| | | | | 0552-930 | 8/11/2010 | 25835 | | | | | | | | | |
| | | | | 0552-944 | 8/25/2010 | 27389 | | | | | | | | | |
| | | | | 0552-957 | 9/8/2010 | 28699 | | | | | | | | | |
| | | | | 0552-971 | 9/22/2010 | 29725 | | | | | | | | | |
| | | | | 0552-985 | 10/6/2010 | 31135 | | | | | | | | | |
| 0552-999 | 10/20/2010 | 32715 | | | | | | | | | | | | | |
| | | | | CMU* | 9/17/2009 | NA | | | | | | | | | |
| | | | | CMU* | 9/22/2009 | NA | | | | | | | | | |
| | | | | CMU* | 9/29/2009 | NA | | | | | | | | | |
| | | | | CMU* | 10/6/2009 | NA | | | | | | | | | |
| | | | | CMU* | 10/13/2009 | NA | | | | | | | | | |
| | | | | CMU* | 10/20/2009 | NA | | | | | | | | | |
| | | | | CMU* | 10/27/2009 | NA | | | | | | | | | |
| | | | | CMU* | 11/3/2009 | NA | | | | | | | | | |
| | | | | CMU* | 11/10/2009 | NA | | | | | | | | | |
| | | | | CMU* | 11/17/2009 | NA | | | | | | | | | |
| | | | | CMU* | 11/24/2009 | NA | | | | | | | | | |
| | | | | CMU* | 12/1/2009 | NA | | | | | | | | | |
| | | | | CMU* | 12/8/2009 | NA | | | | | | | | | |
| | | | | CMU* | 12/15/2009 | NA | | | | | | | | | |
| | | | | CMU* | 1/5/2010 | NA | | | | | | | | | |
| | | | | CMU* | 1/12/2010 | NA | | | | | | | | | |
| | | | | CMU* | 1/19/2010 | NA | | | | | | | | | |
| | | | | CMU* | 2/3/2010 | NA | | | | | | | | | |

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| SAMPLE INFORMATION | | | | | | | METALS | | | | | | | | | |
|--------------------|-----------------|----------|-----------|------------|----------------|---------|--------------|-------------|--------------|--------------|---------------|--------------|--------------|---------------|--|--|
| | | | | | | | Fe (ug/L) | K (mg/L) | Na (ug/L) | Al (ug/L) | Cu (ug/L) | Se (ug/L) | Sr (ug/L) | Pb (ug/L) | | |
| RMI | SAMPLE LOCATION | LATITUDE | LONGITUDE | SAMPLE ID# | DATE COLLECTED | LAB ID# | 1500 (AL) | | | | @H=100 9.0 | 4.6 (CFC) | | @H=100 2.5 | | |
| 15 | East Dunkard | | | CMU* | 2/23/2010 | NA | | | | | | | | | | |
| | | | | CMU* | 3/9/2010 | NA | | | | | | | | | | |
| | | | | CMU* | 3/23/2010 | NA | | | | | | | | | | |
| | | | | CMU* | 4/6/2010 | NA | | | | | | | | | | |
| | | | | CMU* | 4/20/2010 | NA | | | | | | | | | | |
| | | | | CMU* | 5/4/2010 | NA | | | | | | | | | | |
| | | | | CMU* | 5/18/2010 | NA | | | | | | | | | | |
| | | | | CMU* | 5/25/2010 | NA | | | | | | | | | | |
| | | | | CMU* | 6/1/2010 | NA | | | | | | | | | | |
| | | | | CMU* | 6/8/2010 | NA | | | | | | | | | | |
| | | | | CMU* | 6/15/2010 | NA | | | | | | | | | | |
| | | | | CMU* | 6/29/2010 | NA | | | | | | | | | | |
| | | | | CMU* | 7/5/2010 | NA | | | | | | | | | | |
| | | | | CMU* | 7/13/2010 | NA | | | | | | | | | | |
| | | | | CMU* | 7/22/2010 | NA | | | | | | | | | | |
| | | | | CMU* | 7/27/2010 | NA | | | | | | | | | | |
| | | | | CMU* | 8/5/2010 | NA | | | | | | | | | | |
| | | | | CMU* | 8/10/2010 | NA | | | | | | | | | | |
| | | | | CMU* | 8/17/2010 | NA | | | | | | | | | | |
| | | | | CMU* | 8/24/2010 | NA | | | | | | | | | | |
| | | | | CMU* | 8/31/2010 | NA | | | | | | | | | | |
| | | | | CMU* | 9/7/2010 | NA | | | | | | | | | | |
| | | | | CMU* | 9/14/2010 | NA | | | | | | | | | | |
| | | | | CMU* | 9/21/2010 | NA | | | | | | | | | | |
| | | | | CMU* | 9/29/2010 | NA | | | | | | | | | | |
| | | | | CMU* | 10/7/2010 | NA | | | | | | | | | | |
| | | | | CMU* | 10/11/2010 | NA | | | | | | | | | | |
| | | | | CMU* | 10/19/2010 | NA | | | | | | | | | | |
| CMU* | 10/26/2010 | NA | | | | | | | | | | | | | | |
| CMU* | 11/3/2010 | NA | | | | | | | | | | | | | | |
| CMU* | 12/14/2010 | NA | | | | | | | | | | | | | | |
| CMU* | 1/19/2011 | NA | | | | | | | | | | | | | | |
| CMU* | 2/16/2011 | NA | | | | | | | | | | | | | | |
| CMU* | 3/16/2011 | NA | | | | | | | | | | | | | | |

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| SAMPLE INFORMATION | | | | | | | METALS | | | | | | | |
|--------------------|--|---------------|---------------|------------|----------------|---------|--------------|-------------|--------------|--------------|---------------|--------------|---------------|--------------|
| | | | | | | | Fe (ug/L) | K (mg/L) | Na (ug/L) | Al (ug/L) | Cu (ug/L) | Se (ug/L) | Sr (ug/L) | Pb (ug/L) |
| RMI | SAMPLE LOCATION | LATITUDE | LONGITUDE | SAMPLE ID# | DATE COLLECTED | LAB ID# | 1500 (AL) | | | | @H=100 9.0 | 4.6 (CFC) | @H=100 2.5 | |
| 13 | Dunkard Creek DC5 | | | 7485-701 | 10/21/2008 | 38485 | | | | | | | | |
| 10.9 | Dunkard Creek @ end of Bald Hill Church Road | 39° 45' 20.0" | 80° 00' 43.4" | 1552-100 | 9/10/2009 | 06686 | 573 | 4.6 | 261 | 369 | | | | |
| | | | | 1552-135 | 9/15/2009 | 06811 | 265 | 4.8 | 316 | | | | | |
| | | | | 1552-183 | 9/21/2009 | 33379 | | 5.83 | 336 | | | | | |
| | | | | 1552-218 | 9/29/2009 | 34467 | 194 | 5.09 | 365 | | | | | 708 |
| | | | | 1552-246 | 10/6/2009 | 35243 | 210 | 5.677 | 370 | | | | | 840 |
| | | | | 1552-280 | 10/21/2009 | 37164 | 315 | 3.185 | 97.25 | | | | | 362 |
| | | | | 1552-305 | 11/4/2009 | 39193 | 141 | 2.514 | 63.2 | | | | | 252 |
| | | | | 1552-326 | 11/18/2009 | 40453 | 236 | 2.69 | 80.6 | | | | | 344 |
| | | | | 1552-341 | 12/2/2009 | 41518 | 242 | 2.89 | 151 | | | | | 446 |
| | | | | 1552-358 | 12/16/2009 | 43393 | 311 | 1.99 | 39 | | | | | 213 |
| | | | | 1552-375 | 1/6/2010 | 00348 | 415 | 1.62 | 49.2 | | | | | 241 |
| | | | | 0552-931 | 8/11/2010 | 25836 | | | | | | | | |
| | | | | 0552-945 | 8/25/2010 | 27390 | | | | | | | | |
| | | | | 0552-958 | 9/8/2010 | 28700 | | | | | | | | |
| | | | | 0552-972 | 9/22/2010 | 29726 | | | | | | | | |
| 0552-986 | 10/6/2010 | 31136 | | | | | | | | | | | | |
| 0552-001 | 10/20/2010 | 32716 | | | | | | | | | | | | |
| 10.8 | SHANNOPIN MINE DISCHARGE | 39° 45' 20.3" | 80° 00' 35.0" | 1552-141 | 9/15/2009 | 32737 | | | | | | | | |
| | | | | 1552-187 | 9/21/2009 | 34468 | | | | | | | | |
| | | | | 1552-220 | 9/29/2009 | 34468 | 276 | 13.2 | 2810 | | | | 5090 | |
| | | | | 1552-248 | 10/6/2009 | 35244 | 250 | 11.78 | 2040 | | | | 4962 | |
| | | | | 1552-282 | 10/21/2009 | 37165 | 577 | 15.95 | 2560 | | | | 4744 | |
| | | | | 1552-306 | 11/4/2009 | 39194 | 1043 | 14.1 | 2740 | | | | 4021 | |
| | | | | 1552-327 | 11/18/2009 | 40447 | 203 | 13.6 | 2510 | | | | 3460 | |
| | | | | 1552-342 | 12/2/2009 | 41543 | 235 | 12.2 | 2000 | | | | 4700 | |
| | | | | 1552-376 | 1/6/2010 | 00353 | 200 | 1.64 | 49.9 | | | | 471 | |
| | | | | 1552-388 | 1/20/2010 | 01541 | 386 | 15.6 | 2890 | | | | 4522 | |
| | | | | 7485-704 | 10/21/2008 | 38488 | | | | | | | | |
| | | | | 0552-932 | 8/11/2010 | 25861 | | | | | | | | |
| | | | | 0552-946 | 8/25/2010 | 27387 | | | | | | | | |
| | | | | 0552-959 | 9/8/2010 | 28651 | | | | | | | | |
| | | | | 0552-973 | 9/22/2010 | 29656 | | | | | | | | |
| 0552-987 | 10/6/2010 | 31132 | | | | | | | | | | | | |

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| SAMPLE INFORMATION | | | | | | | METALS | | | | | | |
|--------------------|-------------------------------|---------------|----------------|------------|----------------|-----------|--------------|-------------|--------------|--------------|---------------|--------------|---------------|
| | | | | | | | Fe (ug/L) | K (mg/L) | Na (ug/L) | Al (ug/L) | Cu (ug/L) | Se (ug/L) | Sr (ug/L) |
| RMI | SAMPLE LOCATION | LATITUDE | LONGITUDE | SAMPLE ID# | DATE COLLECTED | LAB ID# | 1500 (AL) | | | | @H=100 9.0 | 4.6 (CFC) | @H=100 2.5 |
| | | | | 0552-002 | 10/20/2010 | 32760 | | | | | | | |
| 9.8 | Dunkard Creek DC5B | | | 7485-702 | 10/21/2008 | 38486 | | | | | | | |
| 9.5 | Dunkard Creek DC6 | | | 7485-703 | 10/21/2008 | 38487 | | | | | | | |
| 6.7 | Dunkard Creek @ LR2008 Bridge | N 39° 44' 52" | W 079° 58' 46" | 1552-192 | 9/21/2009 | 33347 | 726 | 10.76 | 1880 | 647 | | | |
| | | | | 1552-222 | 9/29/2009 | 34469 | 307 | 7.47 | 1130 | 237 | | | 2230 |
| | | | | 1552-250 | 10/6/2009 | 35242 | 610 | 8.34 | 1340 | 503 | | | 3154 |
| | | | | 1552-284 | 10/21/2009 | 37162 | 323 | 6.726 | 863.5 | 203 | | | 1688 |
| | | | | 1552-307 | 11/4/2009 | 39195 | 343 | 4.864 | 680 | 214 | | | 1250 |
| | | | | 1552-328 | 11/18/2009 | 40448 | 305 | 7.69 | 1140 | 220 | | | 2380 |
| | | | | 1552-343 | 12/2/2009 | 41544 | 332 | 5.26 | 588 | | | | 1550 |
| | | | | 1552-360 | 12/16/2009 | 43388 | 490 | 2.01 | 43.4 | 228 | | | 235 |
| | | | | 1552-377 | 1/6/2010 | 00354 | 383 | 1.66 | 55.3 | | | 270 | |
| 4.6 | USGS Shannopin Gauge | 39° 45' 33" | 79° 58' 15" | NA | 9/10/2009 | Gage Data | | | | | | | |
| | | | | NA | 9/15/2009 | Gage Data | | | | | | | |
| | | | | NA | 9/17/2009 | Gage Data | | | | | | | |
| | | | | NA | 9/21/2009 | Gage Data | 594 | 13.13 | 2570 | | | 8.3 | |
| | | | | NA | 9/29/2009 | Gage Data | | | | | | | |
| | | | | NA | 10/6/2009 | Gage Data | | | | | | | |
| | | | | NA | 10/21/2009 | Gage Data | | | | | | | |
| | | | | NA | 11/4/2009 | Gage Data | | | | | | | |
| | | | | NA | 11/18/2009 | Gage Data | | | | | | | |
| | | | | NA | 12/2/2009 | Gage Data | | | | | | | |
| | | | | NA | 12/16/2009 | Gage Data | | | | | | | |
| | | | | NA | 1/6/2010 | Gage Data | | | | | | | |
| | | | | 0552-933 | 8/11/2010 | 35862 | | | | | | | |
| | | | | 0552-947 | 8/25/2010 | 27388 | | | | | | | |
| | | | | 0552-960 | 9/8/2010 | 28652 | | | | | | | |
| | | | | 0552-974 | 9/22/2010 | 29657 | | | | | | | |
| 0552-988 | 10/6/2010 | 31133 | | | | | | | | | | | |
| 0552-003 | 10/20/2010 | 32761 | | | | | | | | | | | |

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| SAMPLE INFORMATION | | | | | | | METALS | | | | | | | |
|--------------------|--|-------------------|--------------------|------------|----------------|---------|--------------|-------------|--------------|--------------|---------------|--------------|--------------|---------------|
| | | | | | | | Fe (ug/L) | K (mg/L) | Na (ug/L) | Al (ug/L) | Cu (ug/L) | Se (ug/L) | Sr (ug/L) | Pb (ug/L) |
| RMI | SAMPLE LOCATION | LATITUDE | LONGITUDE | SAMPLE ID# | DATE COLLECTED | LAB ID# | 1500 (AL) | | | | @H=100 9.0 | 4.6 (CFC) | | @H=100 2.5 |
| 4 | Dunkard Creek DC7 | | | 7485-705 | 10/21/2008 | 38489 | | | | | | | | |
| 3.46 | Algae Sampling Point | N 39°45' 47.3" | W 079°56' 54.8" | 0577-012 | 11/18/2009 | 40484 | | | | | | | | |
| 2.95 | Dunkard Creek DC8A | | | 7485-706 | 10/21/2008 | 38490 | | | | | | | | |
| 1 | Dunkard Creek DC8A | | | 7485-707 | 10/21/2008 | 38491 | | | | | | | | |
| 0.1 | RMI 0.5 Mouth of Dunkard Creek Under 88 Brdg | N 39° 45' 51" | W 079° 56' 17" | 1552-196 | 9/21/2009 | 33339 | 74 | 2.128 | 46.3 | | 2000 | | | |
| | | | | 1552-224 | 9/29/2009 | 34476 | 229 | 2.4 | 95.3 | | | | 373 | |
| | | | | 1552-252 | 10/6/2009 | 35241 | 147 | 2.108 | 58.6 | | | | 277 | |
| | | | | 1552-286 | 10/21/2009 | 37163 | 277 | 1.901 | 78.79 | | | | 270 | |
| | | | | 1552-308 | 11/4/2009 | 39235 | 281 | 1.419 | 16.3 | | | | 92 | |
| | | | | 1552-329 | 11/18/2009 | 40520 | 305 | 7.69 | 1140 | 220 | | | 2380 | |
| | | | | 1552-344 | 12/2/2009 | 41547 | 338 | 1.44 | 36.2 | 265 | | | 153 | |
| | | | | 1552-361 | 12/16/2009 | 43389 | 1930 | 2.09 | 36.8 | 693 | | | 251 | |
| | | | | 0593-020 | 10/15/2008 | 37432 | | | | | | | | |
| 0593-029 | 10/22/2008 | 39040 | | | | | | | | | | | | |
| 0552-879 | 11/17/2008 | 42551 | | | | | | | | | | | | |

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