

| River | Confluence Mile Point | MSStation | Date | Flow | TSS(mg/L) |
|--------------|-----------------------|-----------------|-----------|-------|-----------|
| Monongahela | 0 | S. PITTSBURGH | 05-Jan-15 | 17.5 | 20 |
| Allegheny | 0 | PITTSBURGH | 05-Jan-15 | 38 | 11.3 |
| Beaver | 25.4 | BEAVER FALLS | 05-Jan-15 | 11.7 | 42.9 |
| Ohio | 54.4 | NEW CUMBERLAND | 13-Jan-15 | | 10.3 |
| Ohio | 84.2 | PIKE ISLAND | 13-Jan-15 | 37.4 | 6.75 |
| Ohio | 126.4 | HANNIBAL | 13-Jan-15 | 39.1 | 10 |
| Ohio | 161.8 | WILLOW ISLAND | 14-Jan-15 | 50.5 | 5.14 |
| Muskingum | 172.2 | MARIETTA | 14-Jan-15 | 6.1 | 10.8 |
| Ohio | 203.9 | BELLEVILLE | 14-Jan-15 | 66.4 | 11 |
| Kanawha | 265.7 | WINFIELD | 14-Jan-15 | | 8.6 |
| Ohio | 279.2 | R.C. BYRD | 14-Jan-15 | 90.3 | 19.7 |
| Big Sandy | 317.1 | LOUISA | 15-Jan-15 | 4.6 | 5 |
| Ohio | 341 | GREENUP | 20-Jan-15 | 58.1 | 5.25 |
| Scioto | 356.5 | LUCASVILLE | 15-Jan-15 | 4.6 | 13.4 |
| Ohio | 436.2 | MELDAHL | 20-Jan-15 | 61.4 | 6.86 |
| Little Miami | 464.1 | NEWTOWN | 28-Jan-15 | 0.8 | 3 |
| Licking | 470.2 | COVINGTON | 28-Jan-15 | 3.6 | 6.75 |
| Great Miami | 491.1 | ELIZABETHTOWN | 28-Jan-15 | | 6 |
| Ohio | 531.5 | MARKLAND | 28-Jan-15 | 111.8 | 6.25 |
| Ohio | 606.8 | McAlpine | 28-Jan-15 | | 7.25 |
| Ohio | 720.7 | CANNELTON | 20-Jan-15 | 78.7 | 6.75 |
| Ohio | 776 | NEWBURGH | 20-Jan-15 | 86.7 | 10.8 |
| Green | 784.2 | SEBREE | 20-Jan-15 | | 6 |
| Ohio | 846 | UNIONTOWN | 21-Jan-15 | 111.3 | 8.25 |
| Wabash | 848 | ROUTE 62 BRIDGE | 21-Jan-15 | | 28.8 |
| Ohio | 918.5 | SMITHLAND | 21-Jan-15 | 116.6 | 8 |
| Cumberland | 920.4 | PINKNEYVILLE | 20-Jan-15 | | 7 |
| Tennessee | 934.5 | PADUCAH | 20-Jan-15 | | 6.59 |
| Ohio | 938.9 | LOCK & DAM 52 | 21-Jan-15 | | 21.3 |
| Allegheny | 0 | PITTSBURGH | 09-Mar-15 | 23.2 | 19.2 |
| Monongahela | 0 | S. PITTSBURGH | 09-Mar-15 | 44 | 68 |
| Beaver | 25.4 | BEAVER FALLS | 09-Mar-15 | 3 | 2.25 |
| Ohio | 54.4 | NEW CUMBERLAND | 24-Mar-15 | | 16 |
| Ohio | 84.2 | PIKE ISLAND | 24-Mar-15 | 82.5 | 38.3 |
| Ohio | 126.4 | HANNIBAL | 24-Mar-15 | 83.2 | 30.4 |
| Ohio | 161.8 | WILLOW ISLAND | 24-Mar-15 | 86.5 | 40.3 |
| Muskingum | 172.2 | MARIETTA | 25-Mar-15 | 18.8 | 52 |
| Ohio | 203.9 | BELLEVILLE | 25-Mar-15 | 100.7 | 33 |
| Kanawha | 265.7 | WINFIELD | 25-Mar-15 | | 7 |
| Ohio | 279.2 | R.C. BYRD | 25-Mar-15 | 134.4 | 60 |
| Big Sandy | 317.1 | LOUISA | 26-Mar-15 | 6.7 | 36 |
| Ohio | 341 | GREENUP | 11-Mar-15 | 287 | 126 |
| Scioto | 356.5 | LUCASVILLE | 26-Mar-15 | 7.8 | 32.4 |
| Ohio | 436.2 | MELDAHL | 11-Mar-15 | 385.6 | 141 |

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|--------------|-------|-----------------|-----------|-------|------|
| Little Miami | 464.1 | NEWTOWN | 18-Mar-15 | 2.2 | 13.3 |
| Licking | 470.2 | COVINGTON | 18-Mar-15 | 7.3 | 29 |
| Great Miami | 491.1 | ELIZABETHTOWN | 18-Mar-15 | | 33 |
| Ohio | 531.5 | MARKLAND | 24-Mar-15 | 243.7 | 57 |
| Ohio | 606.8 | McAlpine | 24-Mar-15 | | 94.5 |
| Ohio | 720.7 | CANNELTON | 25-Mar-15 | 295.3 | 120 |
| Ohio | 776 | NEWBURGH | 25-Mar-15 | 428.4 | 95.5 |
| Green | 784.2 | SEBREE | 25-Mar-15 | | 22.7 |
| Ohio | 846 | UNIONTOWN | 26-Mar-15 | 565.8 | 59.5 |
| Wabash | 848 | ROUTE 62 BRIDGE | 26-Mar-15 | | 114 |
| Ohio | 918.5 | SMITHLAND | 26-Mar-15 | 695.3 | 52 |
| Cumberland | 920.4 | PINKNEYVILLE | 25-Mar-15 | | 10.8 |
| Tennessee | 934.5 | PADUCAH | 25-Mar-15 | | 5.71 |
| Ohio | 938.9 | LOCK & DAM 52 | 26-Mar-15 | | 73.5 |
| Allegheny | 0 | PITTSBURGH | 13-May-15 | 11.3 | 8.67 |
| Monongahela | 0 | S. PITTSBURGH | 13-May-15 | 4.4 | 8.25 |
| Beaver | 25.4 | BEAVER FALLS | 13-May-15 | 2.1 | 12.8 |
| Ohio | 54.4 | NEW CUMBERLAND | 12-May-15 | | 3.71 |
| Ohio | 84.2 | PIKE ISLAND | 12-May-15 | 19.9 | 6 |
| Ohio | 126.4 | HANNIBAL | 12-May-15 | 20.1 | 6 |
| Ohio | 161.8 | WILLOW ISLAND | 13-May-15 | 20.3 | 4.86 |
| Muskingum | 172.2 | MARIETTA | 12-May-15 | 4.4 | 21.3 |
| Ohio | 203.9 | BELLEVILLE | 13-May-15 | 26.5 | 4.75 |
| Kanawha | 265.7 | WINFIELD | 13-May-15 | | 5.43 |
| Ohio | 279.2 | R.C. BYRD | 13-May-15 | 37.2 | 11.2 |
| Big Sandy | 317.1 | LOUISA | 14-May-15 | 2.8 | 23.7 |
| Ohio | 341 | GREENUP | 20-May-15 | 66 | 10.2 |
| Scioto | 356.5 | LUCASVILLE | 14-May-15 | 4.2 | 36 |
| Ohio | 436.2 | MELDAHL | 20-May-15 | 64.8 | 7 |
| Little Miami | 464.1 | NEWTOWN | 12-May-15 | 0.3 | 15.1 |
| Licking | 470.2 | COVINGTON | 12-May-15 | 4.8 | 22.8 |
| Great Miami | 491.1 | ELIZABETHTOWN | 12-May-15 | | 39.6 |
| Ohio | 531.5 | MARKLAND | 14-May-15 | 52.7 | 6.86 |
| Ohio | 606.8 | McAlpine | 14-May-15 | | 7.71 |
| Ohio | 720.7 | CANNELTON | 19-May-15 | 61.5 | 6 |
| Ohio | 776 | NEWBURGH | 19-May-15 | 74.5 | 10.8 |
| Green | 784.2 | SEBREE | 19-May-15 | | 100 |
| Ohio | 846 | UNIONTOWN | 20-May-15 | 119 | 20.8 |
| Wabash | 848 | ROUTE 62 BRIDGE | 27-May-15 | | 120 |
| Ohio | 918.5 | SMITHLAND | 20-May-15 | 122.3 | 15.1 |
| Cumberland | 920.4 | PINKNEYVILLE | 19-May-15 | | 21.1 |
| Tennessee | 934.5 | PADUCAH | 19-May-15 | | 11 |
| Ohio | 938.9 | LOCK & DAM 52 | 20-May-15 | | 33.7 |

| SO4(mg/L) | THARD(mg/L) | TPHOS(mg/L) | TOC(mg/L) | NH3-N(mg/L) | NO2-NO3-N(mg/L) |
|-----------|-------------|-------------|-----------|-------------|-----------------|
| 82 | 107 | 0.075 | 2.95 | 0.08 | 0.97 |
| 33.2 | 68 | 0.031 | 1.83 | 0.03 | 0.741 |
| 44.5 | 117 | 0.189 | 6.26 | 0.06 | 1.06 |
| 45.5 | 86.7 | 0.04 | 2.56 | 0.06 | 0.942 |
| 48 | 100 | 0.022 | 2.31 | 0.06 | 0.831 |
| 48 | 93.3 | 0.034 | 2.27 | 0.05 | 0.842 |
| 46 | 90 | 0.066 | 2.16 | 0.04 | 0.815 |
| 94.8 | 203 | 0.115 | 3.98 | 0.06 | 2.3 |
| 49.2 | 108 | 0.034 | 2.79 | 0.05 | 1.06 |
| 34.8 | 66.7 | 0.015 | 1.47 | 0.04 | 0.561 |
| 37.5 | 90 | 0.084 | 2.6 | 0.05 | 0.899 |
| 138 | 184 | <0 | 1.26 | <0 | 0.47 |
| 51.2 | 103 | 0.188 | 2.61 | 0.06 | 0.865 |
| 84.8 | 284 | 0.338 | 4.44 | 0.05 | 3.62 |
| 54.2 | 110 | 0.083 | 2.89 | 0.05 | 1.13 |
| 32 | 262 | 0.179 | 4.17 | <0 | 2.14 |
| 33.8 | 172 | 0.088 | 3.35 | <0 | 0.439 |
| 42 | 320 | 0.167 | 3.51 | <0 | 3.43 |
| 60.5 | 140 | 0.086 | 2.5 | 0.07 | 1.17 |
| 51.8 | 143 | 0.115 | 2.38 | 0.04 | 1.35 |
| 55 | 128 | 0.067 | 2.54 | 0.05 | 1.16 |
| 66 | 100 | 0.075 | 2.74 | 0.05 | 1.16 |
| 48.8 | 167 | 0.033 | 2.19 | <0 | 1.73 |
| 53.2 | 137 | 0.144 | 2.59 | 0.04 | 1.17 |
| 56.2 | 292 | 0.192 | 3.31 | <0 | 3.18 |
| 57.5 | 172 | 0.099 | 2.94 | <0 | 1.62 |
| 20.8 | 103 | 0.065 | 2 | <0 | 0.514 |
| 13.2 | 76 | 0.099 | 2.28 | 0.04 | 0.572 |
| 58.2 | 164 | 0.206 | 3.08 | 0.04 | 1.5 |
| 52.5 | 100 | 0.075 | 2.15 | 0.15 | 1.12 |
| 39 | 80 | 0.194 | 2.87 | 0.08 | 0.784 |
| 59 | 177 | 0.077 | 3.7 | 0.09 | 1.76 |
| 44 | 76.7 | 0.061 | 2.34 | 0.05 | 0.997 |
| 43.2 | 76 | 0.088 | 2.63 | 0.04 | 0.945 |
| 45 | 84 | 0.106 | 2.36 | 0.05 | 0.927 |
| 43 | 80 | 0.098 | 2.54 | 0.05 | 0.962 |
| 59.2 | 153 | 0.158 | 4.19 | 0.04 | 1.96 |
| 51.2 | 107 | 0.125 | 2.77 | 0.04 | 1.17 |
| 50.5 | 70 | 0.063 | 1.54 | 0.04 | 0.66 |
| 44.2 | 86.7 | 0.126 | 2.56 | 0.03 | 0.923 |
| 167 | 217 | 0.055 | 1.5 | <0 | 0.551 |
| 51.8 | 92 | 0.513 | 3.83 | 0.07 | 0.703 |
| 63.8 | 233 | 0.207 | 4.72 | 0.03 | 2.88 |
| 51 | 96 | 0.321 | 5.9 | 0.07 | 0.905 |

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| 36.5 | 273 | 0.163 | 4.55 | 0.03 | 2.92 |
| 17 | 120 | 0.241 | 5.24 | <0 | 1.07 |
| 38.8 | 240 | 0.279 | 6.14 | 0.07 | 4.86 |
| 27.8 | 117 | 0.148 | 3.61 | <0 | 1.25 |
| 43.8 | 120 | 0.191 | 3.64 | <0 | 1.19 |
| 39.2 | 120 | 0.243 | 3.28 | <0 | 1.19 |
| 37.5 | 113 | 0.203 | 3.83 | <0 | 1.11 |
| 45.5 | 103 | 0.106 | 4.27 | <0 | 1.15 |
| 44 | 107 | 0.175 | 4.12 | <0 | 1.13 |
| 35.8 | 197 | 0.238 | 5.62 | <0 | 2.22 |
| 30.5 | 110 | 0.187 | 5.35 | <0 | 1.33 |
| 21.2 | 110 | 0.077 | 2.12 | <0 | 0.851 |
| 10.2 | 73.3 | 0.056 | 2.38 | <0 | 0.457 |
| 36.2 | 113 | 0.228 | 5.25 | <0 | 1.25 |
| 54.5 | 96 | 0.06 | 2.09 | <0 | 0.518 |
| 90 | 116 | 0.037 | 1.93 | <0 | 0.721 |
| 58.3 | 160 | 0.648 | 5.67 | 0.08 | 1.07 |
| 59.2 | 100 | 0.035 | 2.08 | <0 | 0.723 |
| 64.3 | 112 | 0.069 | 2.37 | <0 | 0.704 |
| 72.2 | 112 | 0.036 | 2.09 | <0 | 0.641 |
| 65.2 | 116 | 0.03 | 2.16 | <0 | 0.644 |
| 113 | 240 | 0.074 | 3.83 | <0 | 0.19 |
| 77 | 126 | 0.054 | 2.27 | <0 | 0.555 |
| 45.2 | 92 | 0.046 | 2.17 | <0 | 0.396 |
| 68.5 | 117 | 0.123 | 2.15 | <0 | 0.519 |
| 200 | 256 | 0.049 | 1.46 | <0 | 0.367 |
| 78.5 | 130 | 0.04 | 2.04 | <0 | 0.436 |
| 87.8 | 292 | 0.265 | 6.14 | <0 | 1.66 |
| 74.5 | 130 | 0.044 | 2.15 | <0 | 0.442 |
| 30.5 | 300 | 0.244 | 4.53 | <0 | 2.23 |
| 23 | 76 | 0.158 | 2.89 | <0 | 0.248 |
| 41.2 | 297 | 0.27 | 6.67 | <0 | 1.81 |
| 64.7 | 124 | 0.047 | 2.72 | <0 | 0.556 |
| 55.7 | 128 | 0.05 | 2.63 | <0 | 0.567 |
| 50 | 130 | 0.047 | 2.32 | 0.07 | 0.656 |
| 66.2 | 140 | 0.046 | 2.5 | <0 | 0.908 |
| 58 | 143 | 0.138 | 4.37 | 0.16 | 1.72 |
| 60 | 130 | 0.064 | 2.74 | <0 | 0.914 |
| 53.2 | 287 | 0.287 | 3.69 | <0 | 2.94 |
| 50.7 | 163 | 0.101 | 3.98 | 0.03 | 1.73 |
| 17.5 | 103 | 0.069 | 2.22 | 0.04 | 0.444 |
| 12.7 | 76.7 | 0.051 | 2.36 | <0 | 0.108 |
| 46.8 | 157 | 0.102 | 3.88 | 0.03 | 1.59 |

| TKN(mg/L) | Chloride(mg/L) | Phenol(ug/L) | CN(ug/L) | pH(su) | Temp(C) |
|-----------|----------------|--------------|----------|--------|---------|
| 0.514 | 44 | <0 | <0 | 7.29 | 2.9 |
| 0.327 | 22 | <0 | < | 7.64 | 1.6 |
| 1.37 | 52 | <0 | <0 | 7.25 | 4 |
| 0.601 | 26 | <0 | <0 | 9.03 | 2.5 |
| 0.492 | 26 | <0 | <0 | 8.2 | 2.1 |
| 0.477 | 30 | <0 | <0 | 7.77 | 1.4 |
| 0.269 | 36 | <0 | <0 | 7.79 | 0.2 |
| 0.895 | 36 | < | < | 8.09 | 0.2 |
| 0.522 | 36 | <0 | <0 | 8.19 | 0.5 |
| 0.185 | 16 | <0 | | 8.09 | 0.2 |
| 0.477 | 26 | <0 | <0 | 8.08 | 1.9 |
| <0 | 16 | <0 | | 7.9 | 2.4 |
| 0.39 | 26 | < | | 5.22 | 4.6 |
| 0.874 | 64 | <0 | | 8.21 | 0.6 |
| 0.495 | 30 | <0 | | | 4.5 |
| 0.659 | 88 | <0 | | | |
| 0.604 | 12.2 | <0 | | | |
| 0.69 | 74 | <0 | | | |
| 0.465 | 36 | < | | 7.65 | 2.4 |
| 0.316 | 34 | <0 | | 7.9 | 2.7 |
| 0.415 | 28 | <0 | | 8.61 | 3 |
| 0.436 | 24 | <0 | | 8.1 | 4.4 |
| 0.274 | 11.8 | <0 | | 7.79 | 4.3 |
| 0.35 | 25.7 | < | | 7.95 | 3.9 |
| 0.548 | 35.7 | < | | | |
| 0.34 | 26 | <0 | | 8.02 | 3.2 |
| 0.219 | 7.5 | <0 | | 8.35 | 6.9 |
| 0.438 | 8 | <0 | | 7.91 | 6.5 |
| 0.545 | 22 | <0 | | 8.09 | 3.2 |
| 0.51 | 48 | <0 | < | 6.91 | 1.3 |
| 0.654 | 24 | <0 | <0 | 7.02 | 2.5 |
| 0.448 | 128 | <0 | <0 | 7.56 | 2.5 |
| 0.445 | 30 | <0 | <0 | 9.46 | 4.3 |
| 0.373 | 30 | <0 | <0 | 9.03 | 4.8 |
| 0.419 | 28 | <0 | <0 | 8.96 | 5.5 |
| 0.497 | 26 | <0 | <0 | 8.74 | 6.9 |
| 0.846 | 36 | <0 | | 8.8 | 6.7 |
| 0.561 | 30 | <0 | <0 | 8.81 | 7.4 |
| 0.263 | 9.37 | <0 | | 8.72 | 11.9 |
| 0.664 | 20 | <0 | <0 | 8.76 | 11.4 |
| 0.2 | 13.3 | <0 | | 8.77 | 12.9 |
| 0.873 | 23.3 | <0 | | 4.09 | 7.9 |
| 0.814 | 50 | <0 | | 8.87 | 9.2 |
| 1.18 | 38 | <0 | | 6.7 | 8 |

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|-------|------|----|--|------|------|
| 1.23 | 66 | <0 | | | |
| 0.869 | 8 | <0 | | | |
| 0.917 | 42 | <0 | | | |
| 0.672 | 28 | <0 | | 4.98 | 10.5 |
| 0.519 | 26 | <0 | | 6.22 | 8.7 |
| 0.674 | 26 | <0 | | 6.39 | 8.5 |
| 0.702 | 25 | <0 | | 6.84 | 9.5 |
| 0.602 | 8.33 | <0 | | 7.09 | 11.8 |
| 0.879 | 23.3 | <0 | | 7.25 | 9.2 |
| 0.966 | 21.7 | <0 | | 7.55 | 9.6 |
| 1.01 | 21.7 | <0 | | | 10 |
| 0.347 | 4 | <0 | | 7.28 | 12.5 |
| 0.313 | 9 | <0 | | | |
| 1.02 | 21.7 | <0 | | 6.94 | 10.7 |
| 0.306 | 20 | <0 | | 7.61 | 21 |
| 0.367 | 20 | <0 | | 7.65 | 21.4 |
| 1.37 | 64 | <0 | | 7.5 | 21.8 |
| 0.308 | 30 | <0 | | 7.91 | 23.3 |
| 0.424 | 31.7 | <0 | | 7.02 | 20.9 |
| 0.327 | 30 | <0 | | 8.04 | 20.5 |
| 0.343 | 28 | <0 | | 8.9 | 17.4 |
| 0.902 | 44 | <0 | | 8.22 | 24.3 |
| 0.415 | 30 | <0 | | 8.67 | 19.1 |
| 0.573 | 8 | <0 | | 8.55 | 21.6 |
| 0.543 | 22 | <0 | | 8.65 | 19.4 |
| 0.249 | 14 | <0 | | 8.35 | 19.4 |
| 0.471 | 22 | <0 | | 9.37 | 21.4 |
| 1.72 | 62 | <0 | | 8.75 | 20.2 |
| 0.455 | 25 | <0 | | 6.77 | 21.7 |
| 0.828 | 70 | <0 | | | |
| 0.36 | 6.36 | <0 | | | |
| 1.64 | 56 | <0 | | | |
| 0.627 | 20 | <0 | | 8.4 | 19.1 |
| 0.672 | 20 | <0 | | 8.73 | 19.2 |
| 0.491 | 18 | <0 | | 8.19 | 20.6 |
| 0.404 | 18 | <0 | | 7.85 | 21.1 |
| 1.11 | 8 | <0 | | 7.62 | 20.5 |
| 0.556 | 20 | <0 | | 7.83 | 20.6 |
| 1.04 | 26 | <0 | | | |
| 0.701 | 18 | <0 | | 7.73 | 20.8 |
| 0.587 | 6 | <0 | | 8.02 | 22.6 |
| 0.497 | 11.7 | <0 | | 8.38 | 23 |
| 0.628 | 18 | <0 | | 7.94 | 20.7 |

SpCond(umhos/cm)

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| 341 |
| 146 |
| 168 |
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| 369.1 |
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| 345.1 |
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| 348.1 |
| 341.5 |
| 318.8 |
| 326.9 |
| 323.5 |
| 327.1 |
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| 369.5 |
| 209.5 |
| 165 |
| 363 |
| 330 |
| 261 |
| 697 |
| 253.2 |
| 245.9 |
| 253.3 |
| 246.2 |
| 391.5 |
| 292.7 |
| 187.9 |
| 238.1 |
| 504 |
| 183.3 |
| 558 |
| 206.9 |

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| 216.7 |
| 302.2 |
| 294.6 |
| 292.4 |
| 228 |
| 285.8 |
| 437.7 |
| 288.6 |
| 212.5 |
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| 271.8 |
| 253 |
| 362 |
| 498 |
| 330.6 |
| 345.4 |
| 353.7 |
| 349.9 |
| 595 |
| 382.4 |
| 237.9 |
| 326.9 |
| 639 |
| 356.8 |
| 724 |
| 353.8 |
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| 306.2 |
| 304.1 |
| 306.6 |
| 322.1 |
| 269.1 |
| 304.9 |
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| 337.6 |
| 185.8 |
| 170.9 |
| 343.3 |