

## ***Appendix B***

### ***Longitudinal Bacteria Survey Locations***

| Sampling Mile Point | River       | Sample Type        | Outfall / Confluence Mile Point | State | Tributary   |
|---------------------|-------------|--------------------|---------------------------------|-------|-------------|
| 1.0                 | Allegheny   | Trib               |                                 |       | Allegheny   |
| 1.0                 | Monongahela | Trib               |                                 |       | Monongahela |
| 1.5                 | Ohio        | POTW               | 1.29                            | PA    |             |
| 3.3                 | Ohio        | POTW               | 3.1                             | PA    |             |
| 6.2                 |             | Emsworth L&D       |                                 |       |             |
| 6.4                 | Ohio        | Standard           |                                 |       |             |
| 9.5                 | Ohio        | POTW               | 9.32                            | PA    |             |
| 11.4                | Ohio        | POTW               | 11.23                           | PA    |             |
| 12.5                | Ohio        | POTW               | 12.3                            | PA    |             |
| 13.2                |             | Dashields L&D      |                                 |       |             |
| 14.4                | Ohio        | POTW               | 14.2                            | PA    |             |
| 17.7                | Ohio        | POTW               | 17.5                            | PA    |             |
| 20.5                | Ohio        | POTW               | 20.3                            | PA    |             |
| 20.8                | Ohio        | POTW               | 20.6                            | PA    |             |
|                     |             |                    |                                 |       |             |
| 21.8                | Ohio        | POTW               | 21.6                            | PA    |             |
| 22.9                | Ohio        | POTW               | 22.7                            | PA    |             |
| 25.5                | Ohio        | POTW               | 25.3                            | PA    |             |
| 1.0                 | Beaver      | Trib               |                                 |       | Beaver      |
| 25.8                | Ohio        | POTW               | 25.6                            | PA    |             |
| 26.4                | Ohio        | POTW               | 26.2                            | PA    |             |
| 28.3                | Ohio        | POTW               | 28.1                            | PA    |             |
| 31.7                |             | Montgomery L&D     |                                 |       |             |
| 32.9                | Ohio        | Standard           |                                 |       |             |
| 37.6                | Ohio        | POTW               | 37.4                            | PA    |             |
| 41.2                | Ohio        | Standard           |                                 |       |             |
| 44.8                | Ohio        | POTW               | 44.6                            | OH    |             |
| 48.7                | Ohio        | POTW               | 47.6                            | OH    |             |
| 52.5                | Ohio        | Standard           |                                 |       |             |
| 54.4                |             | New Cumberland L&D |                                 |       |             |
| 56.4                | Ohio        | Standard           |                                 |       |             |
| 60.3                | Ohio        | POTW               | 60.1                            | OH    |             |
| 66.4                | Ohio        | POTW               | 66.2                            | WV    |             |
| 66.9                | Ohio        | POTW               | 66.7                            | OH    |             |
| 70.7                | Ohio        | POTW               | 70.5                            | WV    |             |
| 71.8                | Ohio        | POTW               | 71.6                            | OH    |             |
| 74.9                | Ohio        | POTW               | 74.7                            | WV    |             |
| 80.2                | Ohio        | Standard           |                                 |       |             |
| 84.2                |             | Pike Island L&D    |                                 |       |             |
|                     |             |                    |                                 |       |             |
| 85.6                | Ohio        | Standard           |                                 |       |             |
| 91.2                | Ohio        | POTW               | 90.8                            | WV    |             |
| 94.2                | Ohio        | POTW               | 94                              | OH    |             |
| 97.8                | Ohio        | POTW               | 97.6                            |       |             |
| 102.6               | Ohio        | POTW               | 102.4                           | WV    |             |
| 107.7               | Ohio        | Standard           |                                 |       |             |
| 113                 | Ohio        | Standard           |                                 |       |             |
| 118.3               | Ohio        | Standard           |                                 |       |             |
| 123.7               | Ohio        | WWTP               | 123.5                           | OH    |             |
| 124.9               | Ohio        | POTW               | 124.7                           | WV    |             |

| Sampling<br>Mile Point | River      | Sample Type       | Outfall / Confluence<br>Mile Point | State | Tributary  |
|------------------------|------------|-------------------|------------------------------------|-------|------------|
| 126.4                  |            | Hannibal L&D      |                                    |       |            |
| 129.1                  | Ohio       | Standard          |                                    |       |            |
| 133.4                  | Ohio       | POTW              | 133.2                              | WV    |            |
| 138.7                  | Ohio       | Standard          |                                    |       |            |
| 144.2                  | Ohio       | Standard          |                                    |       |            |
| 149.6                  | Ohio       | Standard          |                                    |       |            |
| 155                    | Ohio       | Standard          |                                    |       |            |
| 160.4                  | Ohio       | Standard          |                                    |       |            |
| 161.7                  |            | Willow Island L&D |                                    |       |            |
| 165.8                  | Ohio       | Standard          |                                    |       |            |
| 171.2                  | Ohio       | POTW              | 171                                | OH    |            |
| 1                      | Muskingum  | Trib              | 172.1                              |       | Muskingum  |
| 175.1                  | Ohio       | Standard          |                                    |       |            |
| 179.4                  | Ohio       | Standard          |                                    |       |            |
| 183.5                  | Ohio       | POTW              | 183.3                              | WV    |            |
|                        |            |                   |                                    |       |            |
| 1                      | L. Kanawha | Trib              | 184.6                              |       | L. Kanawha |
| 185.9                  | Ohio       | POTW              | 185.7                              | OH    |            |
| 190.8                  | Ohio       | Standard          |                                    |       |            |
| 195.7                  | Ohio       | POTW              | 195.5                              | WV    |            |
| 1                      | Hocking    | Trib              | 199.3                              |       | Hocking    |
| 200.7                  | Ohio       | Standard          |                                    |       |            |
| 203.9                  |            | Belleville L&D    |                                    |       |            |
| 205.7                  | Ohio       | Standard          |                                    |       |            |
| 210.7                  | Ohio       | Standard          |                                    |       |            |
| 215.7                  | Ohio       | Standard          |                                    |       |            |
| 220.4                  | Ohio       | POTW              | 220.2                              | WV    |            |
| 225.4                  | Ohio       | Standard          |                                    |       |            |
| 230.4                  | Ohio       | Standard          |                                    |       |            |
| 235.6                  | Ohio       | Standard          |                                    |       |            |
| 237.5                  |            | Racine L&D        |                                    |       |            |
| 240.4                  | Ohio       | Standard          |                                    |       |            |
| 245.4                  | Ohio       | Standard          |                                    |       |            |
| 250.4                  | Ohio       | Standard          |                                    |       |            |
| 255.5                  | Ohio       | Standard          |                                    |       |            |
| 260.6                  | Ohio       | Standard          |                                    |       |            |
| 265.7                  | 0.7        | POTW              | 265.7                              | WV    | 0.7        |
| 1.3                    | Kanawha    | Trib              | 265.7                              |       | Kanawha    |
| 269.8                  | Ohio       | POTW              | 269.8                              | OH    |            |
| 275.2                  | Ohio       | Standard          |                                    |       |            |
| 279.2                  |            | R.C. Byrd L&D     |                                    |       |            |

| Sampling<br>Mile Point | River        | Sample Type   | Outfall / Confluence<br>Mile Point | State |
|------------------------|--------------|---------------|------------------------------------|-------|
| 279.2                  |              | R.C. Byrd L&D |                                    |       |
| 280.8                  | Ohio         | Standard      |                                    |       |
| 285.9                  | Ohio         | Standard      |                                    |       |
| 291.4                  | Ohio         | Standard      |                                    |       |
| 296.6                  | Ohio         | Standard      |                                    |       |
| 302.0                  | Ohio         | Standard      |                                    |       |
| 1.0                    | Guyandotte   | Trib          | 305.2                              |       |
| 307.7                  | Ohio         | Standard      |                                    |       |
| 313.3                  | Ohio         | POTW          | 313.1                              | OH/WV |
| 0.5                    | Big Sandy    | POTW          | 317.1                              | KY    |
| 1.0                    | Big Sandy    | Trib          | 317.1                              |       |
| 317.2                  | Ohio         | POTW          | 317                                | OH    |
| 321.5                  | Ohio         | POTW          | 321.3                              | KY    |
| 327.4                  | Ohio         | POTW          | 327.2                              | OH    |
| 327.7                  | Ohio         | POTW          | 327.5                              | KY    |
| 328.0                  | Ohio         | POTW          | 327.8                              | KY    |
| 332.5                  | Ohio         | POTW          | 332.3                              | KY    |
| 1.0                    | Little Sandy | Trib          | 336.3                              |       |
| 338.1                  | Ohio         | Standard      |                                    |       |
| 341.0                  |              | Greenup L&D   |                                    |       |
|                        |              |               |                                    |       |
| 343.5                  | Ohio         | Standard      |                                    |       |
| 349.2                  | Ohio         | POTW          | 349                                | OH    |
| 352.0                  | Ohio         | POTW          | 351.8                              | OH    |
| 353.8                  | Ohio         | POTW          | 353.6                              | OH    |
| 0.5                    | Scioto       | Trib          | 356.5                              |       |
| 359.3                  | Ohio         | Standard      |                                    |       |
| 364.6                  | Ohio         | Standard      |                                    |       |
| 369.8                  | Ohio         | Standard      |                                    |       |
| 375.0                  | Ohio         | Standard      |                                    |       |
| 380.4                  | Ohio         | Standard      |                                    |       |
| 385.4                  | Ohio         | Standard      |                                    |       |
| 390.6                  | Ohio         | Standard      |                                    |       |
| 395.0                  | Ohio         | Standard      |                                    |       |
| 400.4                  | Ohio         | Standard      |                                    |       |
| 405.8                  | Ohio         | Standard      |                                    |       |
| 411.4                  | Ohio         | POTW          | 411.18                             | KY    |
| 416.4                  | Ohio         | Standard      |                                    |       |
| 421.6                  | Ohio         | Standard      |                                    |       |
| 426.4                  | Ohio         | Standard      |                                    |       |
| 431.4                  | Ohio         | Standard      |                                    |       |
| 436.2                  |              | Meldahl L&D   |                                    |       |
| 436.8                  | Ohio         | Standard      |                                    |       |
| 441.5                  | Ohio         | Standard      |                                    |       |
| 446.5                  | Ohio         | Standard      |                                    |       |
|                        |              |               |                                    |       |
| 451.6                  | Ohio         | POTW          | 451.4                              | KY    |
| 455.3                  | Ohio         | POTW          | 455.1                              | OH    |
| 460.0                  | Ohio         | Standard      |                                    |       |
| 1.0                    | Little Miami | Trib          | 464.1                              |       |

| Sampling<br>Mile Point | River       | Sample Type  | Outfall / Confluence<br>Mile Point | State |
|------------------------|-------------|--------------|------------------------------------|-------|
| 465.0                  | Ohio        | POTW         | 464.5                              | OH    |
| 468.7                  | Ohio        | Standard     |                                    |       |
| 1.0                    | Licking     | Trib         | 470.2                              |       |
| 0.4                    | Mill Creek  | Trib         | 472.5                              |       |
| 472.7                  | Ohio        | POTW         | 472.5                              | OH    |
| 477.6                  | Ohio        | POTW         | 477.4                              | KY    |
| 482.2                  | Ohio        | POTW         | 482                                | OH    |
| 486.2                  | Ohio        | POTW         | 486                                | OH    |
| 489.7                  | Ohio        | Standard     |                                    |       |
| 1.0                    | Great Miami | Trib         | 491.1                              |       |
| 493.2                  | Ohio        | POTW         | 493                                | IN    |
| 498.0                  | Ohio        | Standard     |                                    |       |
| 503.1                  | Ohio        | Standard     |                                    |       |
| 508.3                  | Ohio        | Standard     |                                    |       |
| 513.4                  | Ohio        | Standard     |                                    |       |
| 518.5                  | Ohio        | Standard     |                                    |       |
| 523.4                  | Ohio        | Standard     |                                    |       |
| 528.4                  | Ohio        | Standard     |                                    |       |
| 531.7                  |             | Markland L&D |                                    |       |
| 533.2                  | Ohio        | Standard     |                                    |       |
| 538.5                  | Ohio        | Standard     |                                    |       |
|                        |             |              |                                    |       |
| 543.5                  | Ohio        | Standard     |                                    |       |
| 1.5                    | Kentucky    | Trib         | 545.8                              |       |
| 548.3                  | Ohio        | Standard     |                                    |       |
| 553.6                  | Ohio        | Standard     |                                    |       |
| 558.8                  | Ohio        | POTW         | 558.6                              | IN    |
| 562.7                  | Ohio        | POTW         | 562.5                              | IN    |
| 567.6                  | Ohio        | Standard     |                                    |       |
| 572.5                  | Ohio        | Standard     |                                    |       |
| 577.4                  | Ohio        | Standard     |                                    |       |
| 582.9                  | Ohio        | Standard     |                                    |       |
| 587.8                  | Ohio        | Standard     |                                    |       |
| 592.2                  | Ohio        | POTW         | 592                                | IN    |
| 597.1                  | Ohio        | Standard     |                                    |       |
| 602.2                  | Ohio        | POTW         | 602                                | IN    |
| 604.3                  | Ohio        | POTW         | 604.1                              | IN    |
| 607.5                  | Ohio        | POTW         | 606                                | IN    |
| 606.8                  |             | McAlpine L&D |                                    |       |
| 609.7                  | Ohio        | POTW         | 609.5                              | IN    |
| 612.2                  | Ohio        | POTW         | 612                                | KY    |
| 617.6                  | Ohio        | Standard     |                                    |       |
| 623.1                  | Ohio        | POTW         | 622.9                              | KY    |
| 628.1                  | Ohio        | Standard     |                                    |       |
| 1.5                    | Salt        | Trib         |                                    |       |

## Sample at All POTWs

**Ohio River Watershed Pollutant Reduction Program - Phase 8  
Bacteria Survey Sampling Locations - ORM 630 - 981**

## Day 1

[illegible]

## Day 2

[illegible]

### Day 3

| Sampling Mile Point | River      | Sample Type | Targeted POTW     | Outfall / Confluence Mile Point | Flow MGD | State | Miles from prev. mainstem site | Landmark                              | Outfall Latitude | Outfall Longitude |
|---------------------|------------|-------------|-------------------|---------------------------------|----------|-------|--------------------------------|---------------------------------------|------------------|-------------------|
| 811.3               |            | Standard    |                   |                                 |          |       | 5.5                            | Tobacco Patch Light (LDB)             |                  |                   |
| 817.0               |            | Standard    |                   |                                 |          |       | 5.7                            | Southern IN G&E intake (RDB)          |                  |                   |
| 823.2               |            | Standard    |                   |                                 |          |       | 6.2                            | Ramp (LDB) / pipeline crossing        |                  |                   |
| 829.5               |            | POTW        | Mount Vernon WWTP | 829.3                           | 4.1      | IN    | 6.3                            |                                       | 37.924           | 87.909            |
| 832.2               |            | Standard    |                   |                                 |          |       | 2.7                            | Head of Slim Island                   |                  |                   |
| 837.2               |            | Standard    |                   |                                 |          |       | 5.0                            | Tail of Slim Island Towhead           |                  |                   |
| 842.3               |            | POTW        | Uniontown WWTP    | 842.1                           | 0.16     | KY    | 5.1                            |                                       | 37.778           | 87.936            |
| 846.0               |            | J.T. Meyers |                   |                                 |          |       |                                |                                       |                  |                   |
| 846.5               |            | Standard    |                   |                                 |          |       | 4.2                            | End of lockwall                       |                  |                   |
| 2.0                 | Wabash     | Maj Trib    |                   | 848.0                           |          |       |                                |                                       |                  |                   |
| 851.3               |            | Standard    |                   |                                 |          |       | 4.8                            | Graham Varble Light (LDB)             |                  |                   |
| 855.5               |            | Standard    |                   |                                 |          |       | 4.2                            |                                       |                  |                   |
| 859.7               |            | POTW        | Shawneetown STP   | 859.5                           | 0.493    | IL    | 4.2                            |                                       | 37.703           | 88.185            |
| 864.4               |            | Standard    |                   |                                 |          |       | 4.7                            | Downstream end of small spit (LDB)    |                  |                   |
| 1.4                 | Saline     | Maj Trib    |                   | 867.3                           |          |       |                                | Downstream of mouth of Rock Cr. (RDB) |                  |                   |
| 869.8               |            | Standard    |                   |                                 |          |       | 5.4                            | Just upstream of Sturgeon Island      |                  |                   |
| 1.2                 | Tradewater | Maj Trib    |                   | 873.5                           |          |       |                                |                                       |                  |                   |
| 875.7               |            | Standard    |                   |                                 |          |       | 5.9                            | Weston Light (LDB)                    |                  |                   |
| 880.7               |            | POTW        | Cave-In-Rock STP  | 880.5                           | 0.06     | IL    | 5.0                            |                                       | 37.477           | 88.177            |
| 885.0               |            | Standard    |                   |                                 |          |       | 4.3                            | Head of Plew Island                   |                  |                   |
| 889.2               |            | POTW        | Elizabethtown STP | 889.0                           | 0.06     | IL    | 4.2                            |                                       | 37.445           | 88.308            |
| 891.7               |            | POTW        | Rosiclare STP     | 891.5                           | 0.35     | IL    | 2.5                            |                                       | 37.416           | 88.348            |



**Ohio River Watershed Pollutant Reduction Program - Phase 8**  
**Bacteria Survey Sampling Locations - ORM 630 - 981**

Day 4

| Sampling<br>Mile Point | River      | Sample Type   | Targeted POTW   | Outfall / Confluence<br>Mile Point | Flow<br>MGD | State | Miles from prev.<br>mainstem site | Landmark                           | Outfall<br>Latitude | Outfall<br>Longitude |
|------------------------|------------|---------------|-----------------|------------------------------------|-------------|-------|-----------------------------------|------------------------------------|---------------------|----------------------|
| 897.5                  |            | Standard      |                 |                                    |             |       | 5.8                               | Empire Landing Light (RDB)         |                     |                      |
| 903.2                  |            | POTW          | Golconda WWTP   | 903.0                              | 0.375       | IL    | 5.7                               |                                    | 37.352              | 88.482               |
| 908.0                  |            | Standard      |                 |                                    |             |       | 4.8                               | Head of Sisters Island             |                     |                      |
| 912.6                  |            | Standard      |                 |                                    |             |       | 4.6                               | Head of Stewarts Island            |                     |                      |
| 917.6                  |            | Standard      |                 |                                    |             |       | 5.0                               | At creek on RDB                    |                     |                      |
| 918.5                  |            | Smithland L&D |                 |                                    |             |       |                                   |                                    |                     |                      |
| 3.3                    | Cumberland | Maj Trib      |                 | 920.4                              |             |       |                                   | Aerial power crossing              |                     |                      |
| 923.4                  |            | Standard      |                 |                                    |             |       | 5.8                               | Tail of Towhead Island             |                     |                      |
| 927.9                  |            | Standard      |                 |                                    |             |       | 4.5                               | At ramp on LDB                     |                     |                      |
| 932.2                  |            | Standard      |                 |                                    |             |       | 4.3                               | *Kinkaid Landing Light             |                     |                      |
| 4.3                    | Tennessee  | Maj Trib      |                 | 934.5                              |             |       |                                   | At creek on LDB                    |                     |                      |
| 936.2                  |            | POTW          | Paducah WWTP    | 936.0                              | 9           | KY    | 4.0                               |                                    | 37.102              | 88.612               |
| 937.7                  |            | POTW          | Brookport STP   | 937.5                              | 0.375       | IL    | 1.5                               |                                    | 37.123              | 88.638               |
| 938.9                  |            | L&D 52        |                 |                                    |             |       |                                   |                                    |                     |                      |
| 940.9                  |            | Standard      |                 |                                    |             |       | 4.7                               | At I-24 bridge                     |                     |                      |
| 944.2                  |            | POTW          | Metropolis WWTP | 944.0                              | 2.05        | IL    | 3.3                               |                                    | 37.153              | 88.741               |
| 947.5                  |            | Standard      |                 |                                    |             |       | 3.3                               | Last mooring cell at on RDB        |                     |                      |
| 952.2                  |            | POTW          | Joppa STP       | 952.0                              | 0.065       | IL    | 4.7                               |                                    | 37.203              | 88.840               |
| 957.7                  |            | Standard      |                 |                                    |             |       | 5.5                               | Upstream side of Post Creek Cutoff |                     |                      |
| 962.6                  |            | L&D 53        |                 |                                    |             |       |                                   |                                    |                     |                      |
| 963.0                  |            | Standard      |                 |                                    |             |       | 5.3                               | Downstream end of lockwall         |                     |                      |
| 969.2                  |            | Standard      |                 |                                    |             |       | 6.2                               | America Bar Light (LDB)            |                     |                      |
| 974.1                  |            | POTW          | Mound City STP  | 973.9                              | 0.375       | IL    | 4.9                               |                                    | 37.078              | 89.615               |
| 979.2                  |            | POTW          | Cairo STP       | 979.0                              | 1.5         | IL    | 5.1                               |                                    | 37.830              | 89.159               |