

Instructions: Bold fields must be completed.

**Station Summary**

|   |                                     |   |
|---|-------------------------------------|---|
| <b>Waterbody Name</b><br>KINNICKINNIC RIVER | <b>Waterbody ID Code</b><br>2601800 | <b>Sample ID (YYYYMMDD-CY-FD)</b><br>20201001-48-01 |
|---|-------------------------------------|---|

|   |                                  |
|---|----------------------------------|
| <b>Sampling Location</b><br>FIRST RIFFLE DOWNSTREAM FROM POWELL DAM | <b>Database Key</b><br>256803909 |
|---|----------------------------------|

|                                     |   |
|-------------------------------------|---|
| <b>SWIMS Station ID</b><br>10048610 | <b>SWIMS Station Name</b><br>KINNICKINNIC RIVER DS LOWER RESERVOIR (WBIC 2603000) |
|-------------------------------------|---|

|                 |                  |   |  |
|-----------------|------------------|---|--|
| <b>Latitude</b> | <b>Longitude</b> | <b>Lat/Long Determination Method (circle)</b><br>SWIMS SWDV GPS | <b>Datum Used if using GPS</b><br>WGS84 or NAD83 |
|-----------------|------------------|---|--|

|                                 |   |                         |
|---------------------------------|---|-------------------------|
| <b>Basin (WMU)</b><br>ST. CROIX | <b>Watershed Name</b><br>KINNICKINNIC RIVER | <b>County</b><br>PIERCE |
|---------------------------------|---|-------------------------|

**Sample and Site Descriptors**

|  |  |
|--|--|
| <b>Sample Collector (Last Name, First)</b><br>KURT RASMUSSEN | <b>Project Name</b><br>RESPONSE MONITORING - 319 WATERSHED |
|--|--|

**Sampling Device**

D-Frame Kick Net    
  Surber Sampler    
  Eckman  
 Ponar    
  Artificial Substrate    
  Hess Sampler    
  Other: \_\_\_\_\_

**Habitat Sampled**

Riffle    
  Run    
  Pool  
 Other    
  Shoreline Composite    
  Proportionally-Sampled Habitat  
 Littoral Zone    
  Profundal Zone    
  Wetland

|                                       |  |  |                                    |
|---------------------------------------|--|--|------------------------------------|
| <b>Total Sampling Time (min)</b><br>1 | <b>Estimated Area Sampled (m<sup>2</sup>)</b><br>1 | <b>Number of Samples in Composite</b><br>- | <b>Replicate No.</b> 1 <b>of</b> 1 |
|---------------------------------------|--|--|------------------------------------|

**Reason For Sampling**

Least Impacted Reference    
  Baseline    
  Impact / Treatment Site  
 Control Site    
  Trend    
  Other: \_\_\_\_\_

|                                |                             |                              |                        |   |                                   |
|--------------------------------|-----------------------------|------------------------------|------------------------|---|-----------------------------------|
| <b>Water Temp. (C)</b><br>10.2 | <b>D.O. (mg/l)</b><br>11.11 | <b>D.O. (% sat.)</b><br>99.1 | <b>pH (su)</b><br>7.75 | <b>Conductivity (umhos/cm)</b><br>473.3 | <b>Transparency (cm)</b><br>> 120 |
|--------------------------------|-----------------------------|------------------------------|------------------------|---|-----------------------------------|

|  |  |
|--|--|
| <b>Water Color</b><br><input checked="" type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Stained | <b>Estimated Stream Velocity (m/s)</b><br><input type="checkbox"/> Slow (< 0.15 m/s) <input type="checkbox"/> Moderate (0.15 m/s - 0.5 m/s) <input checked="" type="checkbox"/> Fast (> 0.5 m/s) |
|--|--|

|  |   |   |
|--|---|---|
| <b>Measured Velocity</b><br>- circle units<br>m/s or f/s | <b>Average Stream Depth of reach (m)</b><br>0.3 | <b>Average Stream Width of reach (m)</b><br>10M |
|--|---|---|

**Composition of Substrate Sampled (Percent):**

Bedrock: \_\_\_\_\_ Boulders (basketball or larger): \_\_\_\_\_ Rubble (tennisball to basketball): 80% Gravel (ladybug to tennisball): 20%  
 Sand: \_\_\_\_\_ Clay: \_\_\_\_\_ Silt/Muck: \_\_\_\_\_ Overhanging Vegetation: \_\_\_\_\_  
 Aquatic Macrophytes: \_\_\_\_\_ Leaf Snags: \_\_\_\_\_ Coarse Woody Debris: \_\_\_\_\_ Other ( ): \_\_\_\_\_

**Embeddedness of Substrate at Sample Site (%)** 0     **Canopy Cover at Sample Site (%)** 0

**Stream and Watershed Descriptors**

N = Not a problem  
 U = Uncertain  
 PL = Present, Low Impact  
 PH = Present, High Impact

| Factors that may be influencing Water Resource Integrity |       |            | Factors that may be influencing Water Resource Integrity |       |            |
|--|-------|------------|--|-------|------------|
|  | Local | Water-shed |  | Local | Water-shed |
| <b>Biological</b>  |       |            | <b>Chemical</b>  |       |            |
| Algae: - Diatoms / Periphyton                            | N     | N          | Chlorine   | N     | N          |
| - Filamentous Algae                                      | N     | N          | Dissolved Oxygen   | N     | N          |
| - Planktonic Algae                                       | N     | N          | Nutrients (P, N...)                                      | PL    | PL         |
| Iron Bacteria  | N     | N          | Toxics: - Inorganic (Metals)                             | N     | N          |
| Macrophytes  | N     | N          | - Organic (PCBs, pesticides...)                          | N     | N          |
| Slimes   | N     | N          | Other - Specify:   | N     | N          |
| Other - Specify:   | N     | N          | <b>Sources of Stream Impacts</b>                         |       |            |
| <b>Physical</b>  |       |            | Bank Erosion   | N     | N          |
| Bank Erosion   |       |            | Point Source - Specify:                                  | PL    | N          |
| Channelization: - Upstream                               |       |            | Pasturing of Livestock                                   | N     | N          |
| - Downstream   |       |            | Runoff: - Barnyard                                       | N     | N          |
| Hydraulic Scour / Channel Incision                       |       |            | - Construction   | N     | N          |
| Impoundment: - Upstream                                  | PH    | PL         | - Cropland   | N     | N          |
| - Downstream   | N     | N          | - Urban  | N     | N          |
| Low Flow   | N     | N          | Septic Systems   | N     | N          |
| Sedimentation  | N     | N          | Tile Drainage - Organic Soils                            | N     | N          |
| Sludge   | N     | N          | - Mineral Soils  | N     | N          |
| Thermal  | PH    | N          | Springs  | N     | N          |
| Turbidity  | N     | N          | Tributary(s)   | N     | N          |
| Other - Specify:   | N     | N          | Wetland  | N     | N          |
|  |       |            | Other - Specify:   | N     | N          |

Comments

SAMPLE COLLECTED PRIOR TO EMERGENCY DRAWDOWNS OF LAKE LOUISE.

Special Instructions for Laboratory

SAMPLE COLLECTED IN A 319 WATERSHED.

**For Lab Use Only**

|                             |   |  |
|-----------------------------|---|--|
| Sample Sorter<br>Isabel Ann | Taxonomist<br>Dimick, Jeffrey                               | Estimated Percent of Sample Sorted<br>7% |
| Date Processed<br>9/23/2021 | Specimens Saved<br>Subsample archived in BSL label Oct 2024 |  |

2:35 -  
4:30

CI AY  
 2-32 3-32  
 4-24 1-23  
 10/10-15 4  
 3 2

126

Wisconsin Department of Natural Resources

ABL SampleNum: 20201001-48-01

Taxonomist: Dimick, Jeffrey

Waterbody: Kinnickinnic River

SWIMS Database Key: 256803909

| Taxa                                      | Life Stage   | Bench Tally    | Count         | Taxonomic Reference | Condition | Unique Taxon |
|---|--------------|----------------|---------------|---------------------|-----------|--------------|
| <i>Baetis tricaudatus</i>                 | L            | -VIII          | 9             | Klch 2016           |           |              |
| <i>B. flavistriga</i> species complex     | L            | III            | 3             | "                   |           |              |
| <i>Ceratopsyche</i>                       | L            | III            | 4             | Hols 1995           | imm       | N            |
| <i>C. albedra</i>                         | L            | II             | 2             | Schm Hols 1986      |           |              |
| <i>C. alternans</i>                       | L            | II             | 30            | "                   |           |              |
| <i>C. branta</i>                          | L            | I              | 1             | "                   |           |              |
| <i>C. glossanae</i>                       | L            | III            | 4             | "                   |           |              |
| <i>Cheumatopsyche</i>                     | L            | XIII           | 13            | MCB 2019            |           |              |
| <i>Hydropsyche betteni</i>                | L            | I              | 5             | Schm Hols 1986      |           |              |
| <i>Hydropsychidae</i>                     | L            | -III           | 8             | MCB 2019            | imm       | N            |
| <i>Psychomyia flavida</i>                 | L            | I              | 1             | Hols 1995           |           |              |
| <i>Optioservus</i>                        | L            | III            | 4             | MCB 2019            | imm       | N            |
| <i>O. fastiditus</i>                      | L            | I              | 1             | Hols Schm 1992      |           |              |
| <i>Parametrocnemus</i>                    | P            | I              | 1             | MCB 2019            |           |              |
| <i>Gammarus pseudolimnacus</i>            | A            | I              | 1             | Hols 1972           |           |              |
| <i>Mermithidae</i>                        | A            | I              | 1             | Thorp 2016          |           |              |
| <i>Dugesidae</i>                          | A            | XI             | 11            | "                   |           |              |
| <i>Prostoma</i>                           | A            | I              | 1             | "                   |           |              |
| <i>Naidinae</i>                           | A            | -III           | 9             | Katubrin 1988       |           |              |
| <del><i>split 2 Chironomidae</i></del>    | <del>L</del> | <del>XIV</del> | <del>14</del> |                     |           |              |
| <i>Eukiefferiella devonica</i> group      | L            | III            | 5             | And et al 2013      |           |              |
| <i>Parametrocnemus</i>                    | L            | I              | 1             | "                   |           | N            |
| <i>Tvetenia bavarica</i> group            | L            | I              | 5             | Bode 1983           |           |              |
| <i>T. discoloripes</i> group              | L            | I              | 1             | "                   |           |              |
| <i>Microtendipes pedellus</i> group       | L            | XI             | 11            | And et al 2013      |           |              |
| <i>Zootanytarsus</i>                      | L            | I              | 1             | "                   |           |              |
| <i>Orthocladiinae</i>                     | L            | I              | 1             | "                   | imm       | N            |
| <i>Orthocladius</i>                       | L            | I              | 1             | "                   | imm       |              |
| <i>Cladotanytarsus</i>                    | L            | II             | 2             | "                   |           |              |
| <i>Polypedilum (Uresipedilum) aviceps</i> | L            | XI             | 11            | Bolton 2012         |           |              |
| <i>P.(U.) flavum</i>                      | L            | I              | 1             | "                   |           |              |
| <i>Tanytarsus</i>                         | L            | I              | 1             | And et al 2013      |           |              |
|   |              |                |               |                     |           |              |
|   |              |                |               |                     |           |              |
|   |              |                |               |                     |           |              |
|   |              |                |               |                     |           |              |