

**Instructions:** Bold fields must be completed.

**Station Summary**

|                                     |                                    |   |
|-------------------------------------|------------------------------------|---|
| <b>Waterbody Name</b><br>PINE RIVER | <b>Waterbody ID Code</b><br>247800 | <b>Sample ID (YYYYMMDD-CY-FD)</b><br>20181026-70-05 |
| <b>Sampling Location</b>            |                                    | <b>Database Key</b><br>168915319                    |

|                                   |   |
|-----------------------------------|---|
| <b>SWIMS Station ID</b><br>703063 | <b>SWIMS Station Name</b><br>PINE RIVER AT 28TH COURT |
|-----------------------------------|---|

|                             |                               |  |  |
|-----------------------------|-------------------------------|--|--|
| <b>Latitude</b><br>44.14120 | <b>Longitude</b><br>-89.05877 | <b>Lat/Long Determination Method (circle)</b><br>SWIMS <u>(SWDV)</u> GPS | <b>Datum Used if using GPS</b><br>WGS84 or NAD83 |
|-----------------------------|-------------------------------|--|--|

|                                  |   |                           |
|----------------------------------|---|---------------------------|
| <b>Basin (WMU)</b><br>WOLF RIVER | <b>Watershed Name</b><br>PINE AND WILLOW RIVERS | <b>County</b><br>WAUSHARA |
|----------------------------------|---|---------------------------|

**Sample and Site Descriptors**

|   |   |
|---|---|
| <b>Sample Collector (Last Name, First)</b><br>DAVID BOLHA | <b>Project Name</b><br>PINE RIVER 319 PROJECT-FUNDED TWA 2018 |
|---|---|

**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>3 | <b>Estimated Area Sampled (m<sup>2</sup>)</b><br>2.0 | <b>Number of Samples in Composite</b><br>1 | <b>Replicate No.</b> 1 <b>of</b> 1 |
|---------------------------------------|--|--|------------------------------------|

**Reason For Sampling**

Least Impacted Reference     
  Baseline     
  Impact / Treatment Site  
 Control Site     
  Trend     
 Other: Targeted Watershed Assessment

|                               |                            |                              |                       |   |                                 |
|-------------------------------|----------------------------|------------------------------|-----------------------|---|---------------------------------|
| <b>Water Temp. (C)</b><br>8.3 | <b>D.O. (mg/l)</b><br>11.0 | <b>D.O. (% sat.)</b><br>95.8 | <b>pH (su)</b><br>7.9 | <b>Conductivity (umhos/cm)</b><br>340.8 | <b>Transparency (cm)</b><br>120 |
|-------------------------------|----------------------------|------------------------------|-----------------------|---|---------------------------------|

**Water Color**

Clear     
 Turbid     
 Stained

**Estimated Stream Velocity (m/s)**

Slow (< 0.15 m/s)     
 Moderate (0.15 m/s - 0.5 m/s)     
 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>0.6 | <b>Average Stream Width of reach (m)</b><br>12 |
|--|---|--|

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

Bedrock: \_\_\_\_\_ Boulders (basketball or larger): \_\_\_\_\_ Rubble (tennisball to basketball): 80 Gravel (ladybug to tennisball): \_\_\_\_\_  
 Sand: 20 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 | Local | Water-shed | Factors that may be influencing Water Resource Integrity | 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...)                                      | N     | N          |
| Iron Bacteria  | N     | N          | Toxics: - Inorganic (Metals)                             | N     | N          |
| Macrophytes  | N     | N          | - Organic (PCBs, pesticides...)                          | N     | N          |
| Slimes   | N     | N          | Other - Specify:   |       |            |
| Other - Specify:   |       |            | <b>Sources of Stream Impacts</b>                         |       |            |
|  |       |            | Bank Erosion   | N     | N          |
|  |       |            | Point Source - Specify:                                  | N     | N          |
| <b>Physical</b>  |       |            | Pasturing of Livestock                                   | N     | N          |
| Bank Erosion   | N     | N          | Runoff: - Barnyard                                       | N     | N          |
| Channelization: - Upstream                               | N     | N          | - Construction   | N     | N          |
| - Downstream   | N     | N          | - Cropland   | N     | PL         |
| Hydraulic Scour / Channel Incision                       | N     | N          | - Urban  | N     | N          |
| Impoundment: - Upstream                                  | PL    | PH         | Septic Systems   | N     | N          |
| - Downstream   | N     | PH         | Tile Drainage - Organic Soils                            | N     | PL         |
| Low Flow   | N     | N          | - Mineral Soils  | N     | PL         |
| Sedimentation  | PH    | PH         | Springs  | N     | PL         |
| Sludge   | N     | N          | Tributary(s)   | PL    | PL         |
| Thermal  | N     | N          | Wetland  | N     | PL         |
| Turbidity  | N     | N          | Other - Specify:   |       |            |
| Other - Specify:   |       |            |  |       |            |

Comments

Special Instructions for Laboratory

**For Lab Use Only**

|                                      |  |  |
|--------------------------------------|--|--|
| Sample Sorter<br><i>Sam Lamarche</i> | Taxonomist<br><i>Dimick Jeffrey</i>                                | Estimated Percent of Sample Sorted<br><i>60%</i> |
| Date Processed<br><i>3/12/19</i>     | Specimens Saved<br><i>Subsample archived in ABL int'l May 2022</i> |  |

B2 E3 C3 A2 A1 E2 C2 B1 D2  
 17 12 18 13 11 28 9 13 14      135 total species