

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

| Station Summary   |   |   |  |   |                                    |
|---|---|---|--|---|------------------------------------|
| <b>Waterbody Name</b><br>LOULER CREEK   |   | <b>Waterbody ID Code</b><br>2111000                                       |  | <b>Sample ID (YYYYMMDD-CY-FD)</b><br>LC-01 20170921-55-06                   |                                    |
| <b>Sampling Location</b><br>Upstream N. Bucks Lake Road   |   |   |  | <b>Database Key</b><br>148126943  |                                    |
| <b>SWIMS Station ID</b><br>10029348   |   | <b>SWIMS Station Name</b><br>LOULER CREEK 23 M UPSTREAM OF BUCKS LAKE RD. |  |   |                                    |
| <b>Latitude</b><br>45.59540   | <b>Longitude</b><br>-91.47099                                     | <b>Lat/Long Determination Method (circle)</b><br>SWIMS SWDV <b>GPS</b>    |  | <b>Datum Used if using GPS</b><br>WGS84 or NAD83                            |                                    |
| <b>Basin (WMU)</b><br>LOWER CHIPPEWA  |   | <b>Watershed Name</b><br>RED CEDAR LAKE                                   |  | <b>County</b><br>RUSK   |                                    |
| Sample and Site Descriptors   |   |   |  |   |                                    |
| <b>Sample Collector (Last Name, First)</b><br>JOSEPH CUNNINGHAM   |   |   | <b>Project Name</b><br>NORTH DISTRICT NC STREAM STRATIFIED SITES 2017  |   |                                    |
| Sampling Device   |   |   |  |   |                                    |
| <input checked="" type="checkbox"/> D-Frame Kick Net  |   | <input type="checkbox"/> Surber Sampler                                   |  | <input type="checkbox"/> Eckman   |                                    |
| <input type="checkbox"/> Ponar  |   | <input type="checkbox"/> Artificial Substrate                             |  | <input type="checkbox"/> Hess Sampler <input type="checkbox"/> Other: _____ |                                    |
| Habitat Sampled   |   |   |  |   |                                    |
| <input checked="" type="checkbox"/> Riffle  |   | <input type="checkbox"/> Run  |  | <input type="checkbox"/> Pool   |                                    |
| <input type="checkbox"/> Other  |   | <input type="checkbox"/> Shoreline Composite                              |  | <input type="checkbox"/> Proportionally-Sampled Habitat                     |                                    |
| <input type="checkbox"/> Littoral Zone  |   | <input type="checkbox"/> Profundal Zone                                   |  | <input type="checkbox"/> Wetland  |                                    |
| <b>Total Sampling Time (min)</b><br>1 min.  | <b>Estimated Area Sampled (m<sup>2</sup>)</b><br>1 m <sup>2</sup> |   | <b>Number of Samples in Composite</b><br>3-20 second kicks   |   | <b>Replicate No.</b> 1 <b>of</b> 1 |
| Reason for Sampling   |   |   |  |   |                                    |
| <input type="checkbox"/> Least Impacted Reference   |   | <input type="checkbox"/> Baseline   |  | <input type="checkbox"/> Impact / Treatment Site                            |                                    |
| <input type="checkbox"/> Control Site   |   | <input type="checkbox"/> Trend  |  | <input type="checkbox"/> Other: _____                                       |                                    |
| <b>Water Temp. (C)</b><br>13.1  | <b>D.O. (mg/l)</b><br>9.9   | <b>D.O. (%sat.)</b><br>93.3   | <b>pH (su)</b><br>7.7  | <b>Conductivity (umhos/cm)</b><br>127.1                                     | <b>Transparency (cm)</b><br>>120   |
| <b>Water Color</b><br><input 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 checked="" type="checkbox"/> Moderate (0.15 m/s - 0.5 m/s) <input 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>0.2                           |  | <b>Average Stream Width of reach (m)</b><br>3.0 m                           |                                    |
| Composition of Substrate Sampled (Percent):   |   |   |  |   |                                    |
| Bedrock: _____  |   | Boulders (basketball or larger): _____                                    |  | Rubble (tennisball to basketball): 35                                       |                                    |
| Sand: 20  |   | Clay: _____   |  | Silt/Muck: _____  |                                    |
| Aquatic Macrophytes: _____  |   | Leaf Snags: 20  |  | Coarse Woody Debris: _____  |                                    |
| Other (____): _____   |   | Overhanging Vegetation: _____   |  | Other (____): _____   |                                    |
| <b>Embeddedness of Substrate at Sample Site (%)</b> 20%   |   |   | <b>Canopy Cover at Sample Site (%)</b> 80%   |   |                                    |

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

Comments

Special Instructions for Laboratory

**For Lab Use Only**

|                              |   |   |
|------------------------------|---|---|
| Sample Sorter<br>Jesse Oberg | Taxonomist<br>Dimitry J. J. J. J.                           | Estimated Percent of Sample Sorted<br>15% |
| Date Processed<br>09/05/18   | Specimens Saved<br>subsample archived in ABL until Dec 2021 |   |

C1 89 2 hr  
 C3 130 2 hr  
 A3 1 parvifera