

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

|  |                               |  |   |   |   |
|--|-------------------------------|--|---|---|---|
| <b>Station Summary</b>   |                               |  |   |   |   |
| <b>Waterbody Name</b><br>EMMONS CREEK  |                               |  | <b>Waterbody ID Code</b><br>261300                              |   | <b>Sample ID (YYYYMMDD-CY-FD)</b><br>20180923-50-11 |
| <b>Sampling Location</b><br>RSS-E-17m-2g-092318  |                               |  |   | <b>Database Key</b><br>177584076  |   |
| <b>SWIMS Station ID</b><br>10049342  |                               | <b>SWIMS Station Name</b><br>EMMONS CREEK - EXPERIMENTAL REACH NEAR STRATTON LAKE RD |   |   |   |
| <b>Latitude</b><br>44.29626  | <b>Longitude</b><br>-89.24053 | <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>WOLF RIVER   |                               | <b>Watershed Name</b><br>WAUPACA RIVER   |   | <b>County</b><br>PORTAGE  |   |
| <b>Sample and Site Descriptors</b>   |                               |  |   |   |   |
| <b>Sample Collector (Last Name, First)</b><br>DAVID A BOLHA, MICHAEL P SHUPRYT   |                               |  | <b>Project Name</b><br>EMMONS CREEK DISCHARGE REDUCTION MI FY18 |   |   |
| <b>Sampling Device</b>   |                               |  |   |   |   |
| <input type="checkbox"/> D-Frame Kick Net <input type="checkbox"/> Surber Sampler <input type="checkbox"/> Eckman<br><input type="checkbox"/> Ponar <input type="checkbox"/> Artificial Substrate <input type="checkbox"/> Hess Sampler <input checked="" type="checkbox"/> Other: Core  |                               |  |   |   |   |
| <b>Habitat Sampled</b>   |                               |  |   |   |   |
| <input type="checkbox"/> Riffle <input type="checkbox"/> Run <input type="checkbox"/> Pool<br><input type="checkbox"/> Other <input type="checkbox"/> Shoreline Composite <input type="checkbox"/> Proportionally-Sampled Habitat<br><input type="checkbox"/> Littoral Zone <input type="checkbox"/> Profundal Zone <input type="checkbox"/> Wetland |                               |  |   |   |   |
| <b>Total Sampling Time (min)</b>   |                               | <b>Estimated Area Sampled (m<sup>2</sup>)</b>  |   | <b>Number of Samples in Composite</b>   |   |
|  |                               |  |   | Replicate No. _____ of _____  |   |
| <b>Reason For Sampling</b>   |                               |  |   |   |   |
| <input type="checkbox"/> Least Impacted Reference <input type="checkbox"/> Baseline <input type="checkbox"/> Impact / Treatment Site<br><input type="checkbox"/> Control Site <input type="checkbox"/> Trend <input checked="" type="checkbox"/> Other: Special Project  |                               |  |   |   |   |
| <b>Water Temp. (C)</b>   | <b>D.O. (mg/l)</b>            | <b>D.O. (% sat.)</b>   | <b>pH (su)</b>  | <b>Conductivity (umhos/cm)</b>  | <b>Transparency (cm)</b>                            |
|  |                               |  |   |   |   |
| <b>Water Color</b>   |                               |  |   | <b>Estimated Stream Velocity (m/s)</b>  |   |
| <input type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Stained  |                               |  |   | <input type="checkbox"/> Slow (< 0.15 m/s) <input type="checkbox"/> Moderate (0.15 m/s - 0.5 m/s) <input type="checkbox"/> Fast (> 0.5 m/s) |   |
| <b>Measured Velocity</b>   |                               | <b>Average Stream Depth of reach (m)</b>   |   | <b>Average Stream Width of reach (m)</b>  |   |
| circle units<br>m/s or f/s   |                               |  |   |   |   |
| <b>Composition of Substrate Sampled (Percent):</b>   |                               |  |   |   |   |
| Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): _____ Gravel (ladybug to tennisball): _____   |                               |  |   |   |   |
| Sand: _____ Clay: _____ Silt/Muck: _____ Overhanging Vegetation: _____   |                               |  |   |   |   |
| Aquatic Macrophytes: _____ Leaf Snags: _____ Coarse Woody Debris: _____ Other ( ): _____   |                               |  |   |   |   |
| <b>Embeddedness of Substrate at Sample Site (%)</b> _____ <b>Canopy Cover at Sample Site (%)</b> _____   |                               |  |   |   |   |

**Stream and Watershed Descriptors**

N = Not a problem  
U = Uncertain

PL = Present, Low Impact  
PH = Present, High Impact

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

Comments

Special Instructions for Laboratory

**For Lab Use Only**

|                |   |                                    |
|----------------|---|------------------------------------|
| Sample Sorter  | Taxonomist<br><i>Dimick, Jeffney</i>                            | Estimated Percent of Sample Sorted |
| Date Processed | Specimens Saved<br><i>Sample archived in ABC unit Sept 2022</i> |                                    |

ABL SampleNum: 20180923-50-11

Waterbody: **Emmons Creek**  
SWIMS Database Key: **177584076**  
Taxonomist: **Dimick, Jeffrey**

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