

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

**Station Summary**

|   |  |   |   |
|---|--|---|---|
| <b>Waterbody Name</b><br>Emmons Creek           |  | <b>Waterbody ID Code</b>  | <b>Sample ID (YYYYMMDD-CY-FD)</b><br>20180628-50-09 |
| <b>Sampling Location</b><br>RSS-E-24m-4g-062818 |  | <b>Database Key</b><br>159426824                                |   |
| <b>SWIMS Station ID</b><br>10049342             | <b>SWIMS Station Name</b><br>EMMONS CREEK - EXPERIMENTAL REACH NEAR STRATTON LAKE RD |   |   |
| <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>WOLF RIVER                |  | <b>Watershed Name</b><br>WAUPACA RIVER                          | <b>County</b><br>PORTAGE                            |

**Sample and Site Descriptors**

|  |   |
|--|---|
| <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 |
|--|---|

**Sampling Device**

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

**Habitat Sampled**

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

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

**Reason For Sampling**

Least Impacted Reference    
  Baseline    
  Impact / Treatment Site  
 Control Site    
  Trend    
 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><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 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> | <b>Average Stream Width of reach (m)</b> |
|--|--|--|

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

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 ( \_\_\_\_\_ ): \_\_\_\_\_

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

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

Comments

Special Instructions for Laboratory

| For Lab Use Only                   |   |  |
|------------------------------------|---|--|
| Sample Sorter <i>Sam Camarache</i> | Taxonomist <i>Dimick, Jeffrey</i>                               | Estimated Percent of Sample Sorted <i>100%</i> |
| Date Processed <i>1/8/19</i>       | Specimens Saved <i>Subsample archived in LBL until Mar 2022</i> |  |

*434 species*

*3 hrs*

