

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>20180318-50 |
| <b>Sampling Location</b><br>RSS-E-13m-3g-031818 |                  | <b>Database Key</b><br>159426752                                                     |                                                  |
| <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**

|                                                 |                                               |                                       |
|-------------------------------------------------|-----------------------------------------------|---------------------------------------|
| <input 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 checked="" type="checkbox"/> Other: Core |                                               |                                       |

**Habitat Sampled**

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

**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 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><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 ( _____ ): _____                |

|                                                           |                                              |
|-----------------------------------------------------------|----------------------------------------------|
| <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:                                     |       |                |
|                                                             |       |                | 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<br><i>Sam Lamarche</i> | Taxonomist<br><i>Dimick, Jeffery</i>                               | Estimated Percent of Sample Sorted<br><i>100%</i> |
| Date Processed<br><i>12/8/18</i>     | Specimens Saved<br><i>Subsample archived in BBL until Mar 2022</i> |                                                   |

*96 Specs.*

ABL SampleNum: 20180318-50-09

Waterbody: **Emmons Creek**  
SWIMS Database Key: **159426752**  
Taxonomist: **Dimick, Jeffrey**

Page 1 of 1

[illegible]