

**Wadeable Macroinvertebrate  
Field Data Report**

Form 3200-081 (R 8/14)

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Instructions: Bold fields must be completed.

**Station Summary**

|                                                |                  |                                                                                 |                                                     |
|------------------------------------------------|------------------|---------------------------------------------------------------------------------|-----------------------------------------------------|
| <b>Waterbody Name</b><br>Emmons Creek          |                  | <b>Waterbody ID Code</b><br>261300                                              | <b>Sample ID (YYYYMMDD-CY-FD)</b><br>20171024-50.08 |
| <b>Sampling Location</b><br>RSS-R-9m-3g-102417 |                  |                                                                                 | <b>Database Key</b><br>150698301                    |
| <b>SWIMS Station ID</b><br>10049350            |                  | <b>SWIMS Station Name</b><br>EMMONS CREEK - CONTROL 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 Sampler |

**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> _____ |
|-----------------------------------------------------------|----------------------------------------------|

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**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 | Watershed | Factors that may be influencing Water Resource Integrity |  | Local | Watershed |
|----------------------------------------------------------|--|-------|-----------|----------------------------------------------------------|--|-------|-----------|
| <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

*please count entire sample*

| For Lab Use Only                           |                                                     |                                                  |
|--------------------------------------------|-----------------------------------------------------|--------------------------------------------------|
| Sample Sorter<br><i>Czarnecki, Kersten</i> | Taxonomist<br><i>Dimick, Jeffrey</i>                | Estimated Percent of Sample Sorted<br><i>100</i> |
| Date Processed<br><i>9/11/18</i>           | Specimens Saved<br><i>Subsample archived in ABL</i> |                                                  |

ABL SampleNum: 20171024-50-08

Waterbody: **Emmons Creek**  
SWIMS Database Key: **150698301**  
Taxonomist: **Dimick, Jeffrey**

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