

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

|                                              |                              |
|----------------------------------------------|------------------------------|
| <b>Station Summary</b>                       |                              |
| Waterbody Name<br>POTATO RIVER               | Waterbody ID Code<br>2906200 |
| Sample ID (YYYYMMDD-CY-FD)<br>20181024-26-07 |                              |
| Sampling Location                            | Database Key<br>169647697    |

|                              |                                                                              |                                                          |                                           |
|------------------------------|------------------------------------------------------------------------------|----------------------------------------------------------|-------------------------------------------|
| SWIMS Station ID<br>10041397 | SWIMS Station Name<br>POTATO RIVER AT SNAKE TRACK RD CROSSING (T45N R1E S22) |                                                          |                                           |
| Latitude<br>46.363876        | Longitude<br>-90.358055                                                      | Lat/Long Determination Method (circle)<br>SWIMS SWDV GPS | Datum Used if using GPS<br>WGS84 or NAD83 |
| Basin (WMU)<br>LAKE SUPERIOR | Watershed Name<br>POTATO RIVER                                               | County<br>IRON                                           |                                           |

|                                                        |                                                    |
|--------------------------------------------------------|----------------------------------------------------|
| <b>Sample and Site Descriptors</b>                     |                                                    |
| Sample Collector (Last Name, First)<br>MICHAEL SHUPRYT | Project Name<br>MACROINVERTEBRATE SPATIAL ANALYSIS |

**Sampling Device**

☒ D-Frame Kick Net
 ☐ Surber Sampler
 ☐ Eckman
 ☐ Ponar
 ☐ Artificial Substrate
 ☐ Hess Sampler
 ☐ Other: \_\_\_\_\_

**Habitat Sampled**

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

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

**Reason For Sampling**

☐ Least Impacted Reference
 ☐ Baseline
 ☐ Impact / Treatment Site
 ☐ Control Site
 ☐ Trend
 ☒ Other: \_\_\_\_\_

|                 |             |               |         |                         |                   |
|-----------------|-------------|---------------|---------|-------------------------|-------------------|
| Water Temp. (C) | D.O. (mg/l) | D.O. (% sat.) | pH (su) | Conductivity (umhos/cm) | Transparency (cm) |
|-----------------|-------------|---------------|---------|-------------------------|-------------------|

|                                                                                                 |                                                                                                                                             |
|-------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| Water Color                                                                                     | Estimated Stream Velocity (m/s)                                                                                                             |
| <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) |

|                   |                            |                                   |                                   |
|-------------------|----------------------------|-----------------------------------|-----------------------------------|
| Measured Velocity | circle units<br>m/s or f/s | Average Stream Depth of reach (m) | Average Stream Width of reach (m) |
|-------------------|----------------------------|-----------------------------------|-----------------------------------|

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

Bedrock: \_\_\_\_\_ Boulders (basketball or larger): \_\_\_\_\_ Rubble (tennisball to basketball): 60 Gravel (ladybug to tennisball): 40  
 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<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                                      |       |                |
|                                                             |       |                | Runoff: - Barnyard                                          |       |                |
|                                                             |       |                | - Construction                                              |       |                |
|                                                             |       |                | - Cropland                                                  |       |                |
|                                                             |       |                | - Urban                                                     |       |                |
|                                                             |       |                | Septic Systems                                              |       |                |
|                                                             |       |                | Tile Drainage - Organic Soils                               |       |                |
|                                                             |       |                | - Mineral Soils                                             |       |                |
|                                                             |       |                | Springs                                                     |       |                |
|                                                             |       |                | Tributary(s)                                                |       |                |
|                                                             |       |                | Wetland                                                     |       |                |
|                                                             |       |                | Other - Specify:                                            |       |                |
| <b>Physical</b>                                             |       |                |                                                             |       |                |
| Bank Erosion                                                |       |                |                                                             |       |                |
| Channelization: - Upstream                                  |       |                |                                                             |       |                |
| - Downstream                                                |       |                |                                                             |       |                |
| Hydraulic Scour / Channel Incision                          |       |                |                                                             |       |                |
| Impoundment: - Upstream                                     |       |                |                                                             |       |                |
| - Downstream                                                |       |                |                                                             |       |                |
| Low Flow                                                    |       |                |                                                             |       |                |
| Sedimentation                                               |       |                |                                                             |       |                |
| Sludge                                                      |       |                |                                                             |       |                |
| Thermal                                                     |       |                |                                                             |       |                |
| Turbidity                                                   |       |                |                                                             |       |                |
| Other - Specify:                                            |       |                |                                                             |       |                |

Comments

Duplicate of "06"

Special Instructions for Laboratory

| For Lab Use Only              |                               |                                          |
|-------------------------------|-------------------------------|------------------------------------------|
| Sample Sorter<br>Logan Cutler | Taxonomist<br>Derrick Jeffery | Estimated Percent of Sample Sorted<br>7% |
| Date Processed<br>6/27/19     | Specimens Saved<br>180        |                                          |

\*3  
Subsample archived in ABC until Sept 2022

Wisconsin Department of Natural Resources

ABL SampleNum: 20181024-26-07

Taxonomist: Dimick, Jeffrey

Waterbody: Potato River  
SWIMS Database Key: 169647697

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| Taxa                                      | Life Stage | Bench Tally | Count | Taxonomic Reference | Condition | Unique Taxon |
|-------------------------------------------|------------|-------------|-------|---------------------|-----------|--------------|
| <i>Paracapnia angulata</i>                | L          | -1          | 6     | Hatch 1974          |           |              |
| <i>Allocapnia</i>                         | L          | 1           | 1     | Hils 1995           |           |              |
| <i>Leuctra</i>                            | L          | 1           | 1     | "                   | imm       |              |
| <i>Plecoptera</i>                         | L          | 1           | 1     | "                   | imm       | N            |
| <i>Paragnetina medra</i>                  | L          | 11          | 2     | "                   |           |              |
| <i>Taeniopterygidae</i>                   | L          | 11          | 2     | "                   | imm       | N            |
| <i>Oenopteryx glacialis</i>               | L          | 1           | 1     | "                   |           |              |
| <i>Taeniopteryx</i>                       | L          | 1           | 1     | "                   | imm       |              |
| <i>Acerpenna</i>                          | L          | 1           | 1     | Kleb 2016           | dam       | N            |
| <i>A. mackinnonshi</i>                    | L          | 1           | 1     | "                   |           |              |
| <i>Caenis</i>                             | L          | 11          | 2     | "                   | imm       |              |
| <i>Heptageniidae</i>                      | L          | 1           | 1     | "                   | imm       | N            |
| <i>Epeorus vittreus</i>                   | L          | 11          | 2     | "                   |           |              |
| <i>Stenocranus</i>                        | L          | 1           | 1     | "                   | imm       |              |
| <i>Leuctrosta</i>                         | L          | or          | 25    | "                   |           |              |
| <i>Maccaffertium vicarium</i>             | L          | 11          | 2     | "                   |           |              |
| <i>Leptophlebiidae</i>                    | L          | -11         | 7     | "                   | dam       | N            |
| <i>Paraleptophlebia</i>                   | L          | Bom         | 64    | "                   | dam/imm   | N            |
| <i>P. mollis</i>                          | L          | 1           | 1     | "                   |           |              |
| <i>Gomphidae</i>                          | L          | 11          | 2     | ASP Nair et al 2000 | imm       |              |
| <i>Cheumatopsyche</i>                     | L          | 1111        | 4     | Hils 1995           |           |              |
| <i>Ceratomyche spuma</i>                  | L          | -1          | 6     | Schm Hils 1986      |           |              |
| <i>Chimarra</i>                           | L          | -11         | 7     | Hils 1995           | imm       | N            |
| <i>Ch. aterrima</i>                       | L          | x1          | 11    | Hils 1982           |           |              |
| <i>Psychomyia flavida</i>                 | L          | 1           | 1     | Hils 1995           |           |              |
| <i>Neophylax</i>                          | L          | 1           | 1     | "                   | imm       |              |
| <i>Nigronia serricornis</i>               | L          | 1           | 1     | Nair 1966           |           |              |
| <i>O. trivittatus</i>                     | L          | 11          | 2     | Hils Schm 1992      | imm       | N            |
| <i>O. trivittatus</i>                     | L          | 1           | 1     | "                   |           |              |
| <i>Stenelmis</i>                          | L          | 1           | 1     | "                   |           |              |
| <i>Bezzia / Palpomyia</i>                 | L          | 1           | 1     | Hils 1995           |           |              |
| <i>Nemerochroma</i>                       | L          | 1           | 1     | Court Merr 2008     |           |              |
| <i>Simulium tuberosum species complex</i> | L          | 1           | 1     | Adl et al 2004      |           |              |
| <i>Prosimulium</i>                        | L          | -1          | 6     | "                   | imm       |              |
| <i>Stegopterna</i>                        | L          | 11          | 2     | "                   | imm       |              |
| <i>Antocha</i>                            | L          | 11          | 2     | Hils 1995           |           |              |
|                                           |            |             |       |                     |           |              |
| <i>Climacia areolaris</i>                 | L          | 1           | 1     | Hils 1995           |           |              |

Taxonomist: Dimick, Jeffrey

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[illegible]