

Instructions: Bold fields must be completed.

| Station Summary   |   |   |   |   |  |
|---|---|---|---|---|--|
| Waterbody Name<br>UNNAMED   |   |   | Waterbody ID Code<br>241800   |   | Sample ID (YYYYMMDD-CY-FD)<br>20181101-71-01 |
| Sampling Location   |   |   |   | Database Key<br>168360392                 |  |
| SWIMS Station ID<br>10051284  |   | SWIMS Station Name<br>UNNAMED TRIBUTARY TO ARROWHEAD RIVER AT BREEZEWOOD LANE (WBIC 1 |   |   |  |
| Latitude<br>44.1552   | Longitude<br>-88.63705                          | Lat/Long Determination Method (circle)<br>SWIMS SWDV GPS                              |   | Datum Used if using GPS<br>WGS84 or NAD83 |  |
| Basin (WMU)<br>WOLF RIVER   |   | Watershed Name<br>ARROWHEAD RIVER AND DAGGETS CREEK                                   |   | County<br>WINNEBAGO                       |  |
| Sample and Site Descriptors   |   |   |   |   |  |
| Sample Collector (Last Name, First)<br>DAVID BOLHA  |   |   | Project Name<br>EAST DISTRICT NC STREAM STRATIFIED SITES 2018   |   |  |
| Sampling Device   |   |   |   |   |  |
| <input checked="" 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 type="checkbox"/> Other: _____  |   |   |   |   |  |
| Habitat Sampled   |   |   |   |   |  |
| <input checked="" 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 |   |   |   |   |  |
| Total Sampling Time (min)<br>2  | Estimated Area Sampled (m <sup>2</sup> )<br>1.5 | Number of Samples in Composite<br>1   |   | Replicate No. _____ of _____              |  |
| Reason For Sampling   |   |   |   |   |  |
| <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: <i>Natural Community Random Sampling</i>  |   |   |   |   |  |
| Water Temp. (C)<br>8.5  | D.O. (mg/l)<br>12.2                             | D.O. (% sat.)<br>107.1  | pH (su)<br>7.9  | Conductivity (umhos/cm)<br>783.0          | Transparency (cm)<br>67                      |
| Water Color<br><input type="checkbox"/> Clear <input checked="" type="checkbox"/> Turbid <input type="checkbox"/> Stained   |   |   | Estimated Stream Velocity (m/s)<br><input type="checkbox"/> Slow (< 0.15 m/s) <input checked="" type="checkbox"/> Moderate (0.15 m/s - 0.5 m/s) <input type="checkbox"/> Fast (> 0.5 m/s) |   |  |
| Measured Velocity<br>circle units<br>m/s or f/s   |   | Average Stream Depth of reach (m)<br>0.2  |   | Average Stream Width of reach (m)<br>3    |  |
| Composition of Substrate Sampled (Percent):   |   |   |   |   |  |
| Bedrock: _____  |   | Boulders (basketball or larger): _____  | Rubble (tennisball to basketball): 50   | Gravel (ladybug to tennisball): 20        |  |
| Sand: 30  |   | Clay: _____   | Silt/Muck: _____  | Overhanging Vegetation: _____             |  |
| Aquatic Macrophytes: _____  |   | Leaf Snags: _____   | Coarse Woody Debris: _____  | Other ( _____ ): _____                    |  |
| Embeddedness of Substrate at Sample Site (%) 30   |   |   | Canopy Cover at Sample Site (%) 0   |   |  |

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

Comments

Special Instructions for Laboratory

| For Lab Use Only                    |                                     |  |
|-------------------------------------|-------------------------------------|--|
| Sample Sorter<br><i>Kyle Wilcox</i> | Taxonomist<br><i>Dimick Jeffrey</i> | Estimated Percent of Sample Sorted<br><i>79%</i> |
| Date Processed<br><i>8/8/19</i>     | Specimens Saved<br><i>192</i>       |  |

E2=192

Subsample archived in ABZ until Oct 2022

