

Instructions: Bold fields must be completed.

**Station Summary**

<b>Waterbody Name</b> BAD RIVER	<b>Waterbody ID Code</b> 2891900	<b>Sample ID (YYYYMMDD-CY-FD)</b> 20181030-02-01
<b>Sampling Location</b> Bad River @ Thomas St. - Upstream ~ 80 m		<b>Database Key</b> 168311224

<b>SWIMS Station ID</b> 10033485	<b>SWIMS Station Name</b> BAD RIVER AT GILMAN PARK
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<b>Latitude</b> 46.32287	<b>Longitude</b> -90.66437	<b>Lat/Long Determination Method (circle)</b> SWIMS SWDV <b>GPS</b>	<b>Datum Used if using GPS</b> WGS84 or NAD83
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<b>Basin (WMU)</b> LAKE SUPERIOR	<b>Watershed Name</b> UPPER BAD RIVER	<b>County</b> ASHLAND
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**Sample and Site Descriptors**

<b>Sample Collector (Last Name, First)</b> JON KLEIST	<b>Project Name</b> NORTH DISTRICT NC STREAM STRATIFIED SITES 2018
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**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

<b>Total Sampling Time (min)</b> 1 minute	<b>Estimated Area Sampled (m<sup>2</sup>)</b> 1 m <sup>2</sup>	<b>Number of Samples in Composite</b> 3-20 second Kicks	<b>Replicate No.</b> 1 <b>of</b> 1
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**Reason For Sampling**

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

<b>Water Temp. (C)</b> 5.3	<b>D.O. (mg/l)</b> 11.8	<b>D.O. (% sat.)</b> 93.1	<b>pH (su)</b> 7.2	<b>Conductivity (umhos/cm)</b> 51	<b>Transparency (cm)</b> >120
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<b>Water Color</b> <input type="checkbox"/> Clear <input type="checkbox"/> Turbid <input checked="" type="checkbox"/> Stained	<b>Estimated Stream Velocity (m/s)</b> <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)
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<b>Measured Velocity</b> circle units m/s or f/s	<b>Average Stream Depth of reach (m)</b> 0.6 m	<b>Average Stream Width of reach (m)</b> 12 m
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**Composition of Substrate Sampled (Percent):**

Bedrock: \_\_\_\_\_ Boulders (basketball or larger): 10 Rubble (tennisball to basketball): 50 Gravel (ladybug to tennisball): 20  
 Sand: 20 Clay: \_\_\_\_\_ Silt/Muck: \_\_\_\_\_ Overhanging Vegetation: \_\_\_\_\_  
 Aquatic Macrophytes: \_\_\_\_\_ Leaf Snags: \_\_\_\_\_ Coarse Woody Debris: \_\_\_\_\_ Other ( \_\_\_\_\_ ): \_\_\_\_\_  
 Embeddedness of Substrate at Sample Site (%) 20% Canopy Cover at Sample Site (%) 20%