

Instructions: Bold fields must be completed.

Station Summary			
<b>Waterbody Name</b> TOTAGATIC RIVER		<b>Waterbody ID Code</b> 2689800	<b>Sample ID (YYMMDD-CY-FD)</b> 20161013-05-01 66-01
<b>Sampling Location</b> 50m DS Nancy Lake Rd.		<b>Database Key</b> 134667377	
<b>SWIMS Station ID</b> 10022312		<b>SWIMS Station Name</b> TOTAGATIC RIVER DOWNSTREAM OF NANCY LAKE ROAD	
<b>Latitude</b> 46.09874	<b>Longitude</b> -91.94550	<b>Lat/Long Determination Method (circle)</b> SWIMS SWDV <u>GPS</u>	<b>Datum Used if using GPS</b> <u>WGS84</u> or NAD83
<b>Basin (WMU)</b> ST. CROIX		<b>Watershed Name</b> LOWER NAMEKAGON RIVER	<b>County</b> WASHBURN

Sample and Site Descriptors	
<b>Sample Collector (Last Name, First)</b> CRAIG ROESLER	<b>Project Name</b> NOR LONG-TERM TREND WADEABLE REFERENCE STREAMS

**Sampling Device**

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	<b>Estimated Area Sampled (m<sup>2</sup>)</b> 1	<b>Number of Samples in Composite</b> 2	<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> 12.4	<b>D.O. (mg/l)</b> 8.9	<b>D.O. (% sat.)</b>	<b>pH (su)</b> 7.5	<b>Conductivity (umhos/cm)</b> 94.5	<b>Transparency (cm)</b> 95
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**Water Color**

Clear     
 Turbid     
 Stained

**Estimated Stream Velocity (m/s)**

Slow (< 0.15 m/s)     
 Moderate (0.15 m/s - 0.5 m/s)     
 Fast (> 0.5 m/s)

<b>Measured Velocity</b> 2	circle units m/s or <u>f/s</u>	<b>Average Stream Depth of reach (m)</b> 0.4	<b>Average Stream Width of reach (m)</b> 25
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**Composition of Substrate Sampled (Percent):**

Bedrock: \_\_\_\_\_ Boulders (basketball or larger): \_\_\_\_\_ Rubble (tennisball to basketball): 50 Gravel (ladybug to tennisball): 50  
 Sand: \_\_\_\_\_ Clay: \_\_\_\_\_ Silt/Muck: \_\_\_\_\_ Overhanging Vegetation: \_\_\_\_\_  
 Aquatic Macrophytes: \_\_\_\_\_ Leaf Snags: \_\_\_\_\_ Coarse Woody Debris: \_\_\_\_\_ Other (\_\_\_\_): \_\_\_\_\_  
 Embeddedness of Substrate at Sample Site (%) 0 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			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:		
<b>Physical</b>			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 <i>Andrew Kuhlman</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>13%</i>
Date Processed <i>12/1/16</i>	Specimens Saved <i>Subsample archived in ASL vials 1 Nov 2020</i>	

*C1-89  
 A2-214*

