

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

**Station Summary**

<b>Waterbody Name</b> TOTAGATIC RIVER		<b>Waterbody ID Code</b> 2689800	<b>Sample ID (YYYYMMDD-CY-FD)</b> 20190904-66-04
<b>Sampling Location</b> DS Nancy Lake Rd		<b>Database Key</b> 204308731	
<b>SWIMS Station ID</b> 10022312	<b>SWIMS Station Name</b> TOTAGATIC RIVER DOWNSTREAM OF NANCY LAKE ROAD		
<b>Latitude</b> 46.09891	<b>Longitude</b> -91.94467	<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 STREAM
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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> 2	<b>Estimated Area Sampled (m<sup>2</sup>)</b> 2	<b>Number of Samples in Composite</b> 3	<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> 20.4	<b>D.O. (mg/l)</b> 8.9	<b>D.O. (% sat.)</b> 101.4	<b>pH (su)</b> 8.1	<b>Conductivity (umhos/cm)</b> 98	<b>Transparency (cm)</b> 90
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<b>Water Color</b> <input type="checkbox"/> Clear <input checked="" type="checkbox"/> Turbid <input type="checkbox"/> Stained	<b>Estimated Stream Velocity (m/s)</b> <input type="checkbox"/> Slow (< 0.15 m/s) <input type="checkbox"/> Moderate (0.15 m/s - 0.5 m/s) <input checked="" type="checkbox"/> Fast (> 0.5 m/s)
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<b>Measured Velocity</b> 0.6	circle units m/s or f/s	<b>Average Stream Depth of reach (m)</b> 0.5	<b>Average Stream Width of reach (m)</b> 28
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**Composition of Substrate Sampled (Percent):**

Bedrock: \_\_\_\_\_ Boulders (basketball or larger): \_\_\_\_\_ Rubble (tennisball to basketball): 10 Gravel (ladybug to tennisball): 80  
 Sand: 10 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 (%)** 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>Logan Cutler</i>	Taxonomist <i>Dimock, Jeffrey</i>	Estimated Percent of Sample Sorted <i>3%</i>
Date Processed <i>10/12/2020</i>	Specimens Saved <i>173 subsample archived in ABL cabinet Nov 2023</i>	

*80 93  
 D2 Q3 A3 Q4*

*2.2 hrs  
 1 hr*

Wisconsin Department of Natural Resources  
 ABL SampleNum: 20190904-66-04  
 Taxonomist: Dimick, Jeffrey

Waterbody: Totogatic River  
 SWIMS Database Key: 204308731

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Baetis flavistriga</i> species complex	L	I	1	Klub 2016		
<i>Placidus</i>	L	III	4	Merrillum B 2019	dam	
<i>Mesochorus medispunctatum</i>	L	-II	7	Klub 2016		
<i>Isonychia</i>	L	I	1	Merrillum B 2019	imm	
Glossosomatidae	L	II	2	"	imm	N
Protentila	L	X	15	"		
<i>Ceratopsyche</i>	L	-	5	Hils 1995	imm	N
<i>Ceratopsyche</i>	P	I	1	Zotter 1985		N
<i>C. macosa</i>	L	-III	8	Schm Hils 1986	imm	
Hydropsychidae	P	I	1	Merrillum B 2019	dam	N
Hydropsychidae	L	III	3	"	imm	N
<i>Cheumatopsyche</i>	L	Bolt	64	"		
<i>Doloserosus fastidiosus</i>	A	I	1	Hils Schm 1992		
<i>Stenelmis</i>	L	I	1	Merrillum B 2019		
<i>Eukrafferella</i>	P	I	1	"		
Chironominae 08330001	P	III	3	"	dam	N
<i>Rhyacotarsus</i>	P	II	2	"		
<i>Hemiteles</i>	L	HT	5	"		
<i>Hyalella azteca</i>	A	I	1	Snow et al 2015		
Mermithidae	A	I	1	Theoprop 2016		
Cladocera	A	II	2	"	dam	Y
<i>Daphnia</i>	A	II	2	"		
<del>Split As Chironomidae</del>	L	-II-III				
<i>Tvetenia discoloripes</i> group	L	XIII	13	Bode 1983		
<i>Rhyacotarsus</i>	L	8-III	39	And et al 2013		N
<i>Endochironomus nigricans</i>	L	I	1	Bolton 2012		
<i>Microtendipes pedellus</i> group	L	III	3	And et al 2013		
<i>Polydora (Uresipodum) flavum</i>	L	I	1	Bolton 2012		

13 mm