

Instructions: Bold fields must be completed.

Station Summary			
Waterbody Name <b>NORTH BRANCH LITTLE RIVER</b>		Waterbody ID Code 442800	Sample ID (YYYYMMDD-CY-FD) <b>20181003-43-07</b>
Sampling Location <b>300 m up Bridge</b>		Database Key 168363637	
SWIMS Station ID 10049742		SWIMS Station Name <b>NORTH BRANCH LITTLE RIVER DS MIDWAY ROAD</b>	
Latitude	Longitude	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
Basin (WMU) <b>GREEN BAY</b>		Watershed Name <b>LITTLE RIVER</b>	County <b>OCONTO</b>

Sample and Site Descriptors	
Sample Collector (Last Name, First) <b>ANDREW HUDAK</b>	Project Name <b>LITTLE RIVER TWA ASSESSMENT 2018</b>

**Sampling Device**

<input checked="" type="checkbox"/> D-Frame Kick Net	<input type="checkbox"/> Surber Sampler	<input type="checkbox"/> Eckman
<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
<input type="checkbox"/> Other	<input type="checkbox"/> Shoreline Composite	<input type="checkbox"/> Proportionally-Sampled Habitat
<input type="checkbox"/> Littoral Zone	<input type="checkbox"/> Profundal Zone	<input type="checkbox"/> Wetland

Total Sampling Time (min) <b>3</b>	Estimated Area Sampled (m <sup>2</sup> ) <b>5</b>	Number of Samples in Composite <b>1</b>	Replicate No. <b>1</b> of <b>1</b>
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**Reason For Sampling**

<input type="checkbox"/> Least Impacted Reference	<input type="checkbox"/> Baseline	<input type="checkbox"/> Impact / Treatment Site
<input type="checkbox"/> Control Site	<input type="checkbox"/> Trend	<input checked="" type="checkbox"/> Other: <b>TWA</b>

Water Temp. (C) <b>13.98</b>	D.O. (mg/l) <b>7.38</b>	D.O. (% sat.) <b>73.3</b>	pH (su) <b>8.01</b>	Conductivity (umhos/cm) <b>637</b>	Transparency (cm) <b>&gt;122</b>
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Water Color <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Stained	Estimated Stream Velocity (m/s)	
	<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 circle units m/s or f/s	Average Stream Depth of reach (m) <b>.5</b>	Average Stream Width of reach (m) <b>10</b>
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**Composition of Substrate Sampled (Percent):**

Bedrock: _____	Boulders (basketball or larger): _____	Rubble (tennisball to basketball): _____	Gravel (ladybug to tennisball): <b>20</b>
Sand: <b>30</b>	Clay: _____	Silt/Muck: <b>50</b>	Overhanging Vegetation: _____
Aquatic Macrophytes: _____ Leaf Snags: _____ Coarse Woody Debris: _____ Other ( _____ ): _____			

Embeddedness of Substrate at Sample Site (%) <b>100</b>	Canopy Cover at Sample Site (%) <b>10</b>
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**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		U	U	Chlorine		N	U
- Filamentous Algae		PH	U	Dissolved Oxygen		U	U
- Planktonic Algae		U	U	Nutrients (P, N...)		U	U
Iron Bacteria		U	U	Toxics: - Inorganic (Metals)		N	N
Macrophytes		PH	U	- Organic (PCBs, pesticides...)		N	U
Slimes		N	N	Other - Specify:			
Other - Specify:				<b>Sources of Stream Impacts</b>			
				Bank Erosion		N	N
				Point Source - Specify:		N	N
				Pasturing of Livestock		N	U
				Runoff: - Barnyard		N	U
				- Construction		N	N
				- Cropland		N	U
				- Urban		N	N
				Septic Systems		N	U
				Tile Drainage - Organic Soils		N	U
				- Mineral Soils		N	U
				Springs		U	U
				Tributary(s)		U	U
				Wetland		U	U
				Other - Specify:		U	
<b>Physical</b>							
Bank Erosion		N	N				
Channelization: - Upstream		N	N				
- Downstream		N	N				
Hydraulic Scour / Channel Incision		N	N				
Impoundment: - Upstream		N	N				
- Downstream		N	N				
Low Flow		N	N				
Sedimentation		PH	U				
Sludge		N	N				
Thermal		N	N				
Turbidity		N	N				
Other - Specify:							

Comments

Special Instructions for Laboratory

2E = 198
~~2B~~
~~3A~~
~~1B~~
Total = 198
4.5 hours

~~1E~~
~~2C~~

**For Lab Use Only**

Sample Sorter Murphy Stearns	Taxonomist Dimick Jeffrey	Estimated Percent of Sample Sorted 6.67%
Date Processed 2/27/19	Specimens Saved Subsample archived in ABC until May 2022	