

Instructions: Bold fields must be completed.

Station Summary						
Waterbody Name <u>Unnamed</u>			Waterbody ID Code <u>5002582</u>		Sample ID (YYYYMMDD-CY-FD) <u>20210928-04-02</u>	
Sampling Location <u>Unnamed Tribe to Morgan Cr 12m US Ashland Bayfield Rd</u>					Database Key <u>288764072</u>	
SWIMS Station ID <u>10055642</u>		SWIMS Station Name <u>UNNAMED TRIB (5002582) TO MORGAN CREEK 12M US ASHLAND BAYFIELD RD.</u>				
Latitude <u>46.34123</u>	Longitude <u>-90.92180</u>	Lat/Long Determination Method (circle) <u>SWIMS</u> <u>SWDV</u> <u>GPS</u>			Datum Used if using GPS <u>WGS84</u> or NAD83	
Basin (WMU) <u>Lake Superior</u>			Watershed Name <u>Marengo River</u>		County <u>Bayfield</u>	
Sample and Site Descriptors						
Sample Collector (Last Name, First) <u>MARIA LEFEVRE</u>				Project Name <u>UPPER MARENGO WATERSHED TWA</u>		
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) <u>2</u>	Estimated Area Sampled (m ²) <u>1</u>	Number of Samples in Composite <u>9</u>			Replicate No. <u>1</u> of <u>1</u>	
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: <u>TWA</u>						
Water Temp. (C) <u>12.48</u>	D.O. (mg/l) <u>9.62</u>	D.O. (% sat.) <u>90.2</u>	pH (su) <u>7.42</u>	Conductivity (umhos/cm) <u>132</u>	Transparency (cm) <u>>120</u>	
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 <u>m/s</u> or f/s		Average Stream Depth of reach (m) <u>0.3</u>		Average Stream Width of reach (m) <u>1.5</u>		
Composition of Substrate Sampled (Percent):						
Bedrock: _____		Boulders (basketball or larger): _____	Rubble (tennisball to basketball): <u>10</u>	Gravel (ladybug to tennisball): <u>80</u>		
Sand: <u>10</u>		Clay: _____	Silt/Muck: _____	Overhanging Vegetation: _____		
Aquatic Macrophytes: _____		Leaf Snags: _____	Coarse Woody Debris: _____	Other (____): _____		
Embeddedness of Substrate at Sample Site (%) <u>10</u>			Canopy Cover at Sample Site (%) <u>85</u>			

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	Watershed	Factors that may be influencing Water Resource Integrity	Local	Watershed
Biological			Chemical		
Algae: - Diatoms / Periphyton	PL	PL	Chlorine	~	~
- Filamentous Algae	~	PL	Dissolved Oxygen	~	~
- Planktonic Algae	↓	~	Nutrients (P, N...)	↓	↓
Iron Bacteria	↓	PL	Toxics: - Inorganic (Metals)	↓	↓
Macrophytes	↓	PL	- Organic (PCBs, pesticides...)	↓	↓
Slimes	↓	~	Other - Specify:		
Other - Specify:			Sources of Stream Impacts		
			Bank Erosion	PL	PL
Physical			Point Source - Specify:	~	~
Bank Erosion	PL	PL	Pasturing of Livestock	~	~
Channelization: - Upstream	~	↓	Runoff: - Barnyard	~	~
- Downstream	~	↓	- Construction	~	~
Hydraulic Scour / Channel Incision	PL	↓	- Cropland	~	~
Impoundment: - Upstream	~	↓	- Urban	~	~
- Downstream	~	↓	Septic Systems	~	~
Low Flow	~	~	Tile Drainage - Organic Soils	↓	↓
Sedimentation	~	PL	- Mineral Soils	~	↓
Sludge	~	~	Springs	PL	PL
Thermal	~	~	Tributary(s)	~	PL
Turbidity	↓	↓	Wetland	~	PL
Other - Specify:			Other - Specify:		

Comments

Special Instructions for Laboratory

For Lab Use Only		
Sample Sorter Katherine McClure	Taxonomist Derrick Jeffrey	Estimated Percent of Sample Sorted 14.1%
Date Processed 6/6/2022	Specimens Saved Subsample archived in HCL until Aug 2025	

A393:7 B292:22 D393:33
 A392:5 B294:16 D391
 A394:6 B291:16
 A391:7 B293:17

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