

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

Station Summary			
<b>Waterbody Name</b> LITTLE SPRING CREEK		<b>Waterbody ID Code</b> 2920000	<b>Sample ID (YYYYMMDD-CY-FD)</b> 20211007-04-01
<b>Sampling Location</b> Little Spring Cr 20m US of E Altamont Rd			<b>Database Key</b> 288764062
<b>SWIMS Station ID</b> 10039135		<b>SWIMS Station Name</b> LITTLE SPRING CREEK AT ALTAMONT RD	
<b>Latitude</b> 46.35117	<b>Longitude</b> -91.01531	<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> LAKE SUPERIOR		<b>Watershed Name</b> MARENGO RIVER	<b>County</b> BAYFIELD

Sample and Site Descriptors	
<b>Sample Collector (Last Name, First)</b> MARIA LEFEVRE	<b>Project Name</b> UPPER MARENGO WATERSHED TWA

**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>	<b>Estimated Area Sampled (m<sup>2</sup>)</b>	<b>Number of Samples in Composite</b>	<b>Replicate No. _____ of _____</b>
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**Reason For Sampling**

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

<b>Water Temp. (C)</b> 13.99	<b>D.O. (mg/l)</b> 9.1	<b>D.O. (% sat.)</b> 88.3	<b>pH (su)</b> 7.6	<b>Conductivity (umhos/cm)</b> 103	<b>Transparency (cm)</b> > 120
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<b>Water Color</b> <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Turbid <input 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 <u>m/s</u> or f/s	<b>Average Stream Depth of reach (m)</b> 0.1	<b>Average Stream Width of reach (m)</b> 2
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**Composition of Substrate Sampled (Percent):**

Bedrock: \_\_\_\_\_ Boulders (basketball or larger): \_\_\_\_\_ Rubble (tennisball to basketball): \_\_\_\_\_ Gravel (ladybug to tennisball): 50  
 Sand: 50 Clay: \_\_\_\_\_ Silt/Muck: \_\_\_\_\_ Overhanging Vegetation: \_\_\_\_\_  
 Aquatic Macrophytes: \_\_\_\_\_ Leaf Snags: \_\_\_\_\_ Coarse Woody Debris: \_\_\_\_\_ Other ( \_\_\_\_\_ ): \_\_\_\_\_

**Embeddedness of Substrate at Sample Site (%)** 30     
**Canopy Cover at Sample Site (%)** 60

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

Comments

Special Instructions for Laboratory

**For Lab Use Only**

Sample Sorter McClure, Katherine	Taxonomist Dimick, Jeffray	Estimated Percent of Sample Sorted 10.9%
Date Processed 6/7/2022	Specimens Saved Subsample archived in ABL until Aug 2025	

A292:20 D292:21  
 A294:16 D293:17  
 A293:35 D291:15  
 A291:21 D294

145

