

PULL THERMISTOR

~ 50 ft US of culvert; 1 ft. from left bank  
- across from 12" diameter ash tree

State of Wisconsin  
Department of Natural Resources  
PO Box 7291, Madison WI 53707-7291  
dnr.wi.gov

Wadeable Macroinvertebrate  
Field Data Report  
Form 3200-081 (R 8/14) Page 1 of 2

Instructions: Bold fields must be completed.

**Station Summary**

<b>Waterbody Name</b> PRE-EMPTION CREEK	<b>Waterbody ID Code</b> 2895200	<b>Sample ID (YYYYMMDD-CY-FD)</b> 2018 11 01 - 24 - 03
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<b>Sampling Location</b> 30 m US culvert	<b>Database Key</b> 168634610
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<b>SWIMS Station ID</b> 10013195	<b>SWIMS Station Name</b> PRE-EMPTION CREEK-40 METERS UPSTREAM OF CAMP 8 ROAD- STATION #1
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<b>Latitude</b> 46.32797	<b>Longitude</b> -91.08721	<b>Lat/Long Determination Method (circle)</b> SWIMS SWDV <u>GPS</u>	<b>Datum Used if using GPS</b> <u>WGS84</u> or NAD83
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<b>Basin (WMU)</b> LAKE SUPERIOR	<b>Watershed Name</b> WHITE RIVER	<b>County</b> BAYFIELD
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**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> 1	<b>Estimated Area Sampled (m<sup>2</sup>)</b> 1	<b>Number of Samples in Composite</b> 3-20s Kicks	<b>Replicate No.</b> _____ <b>of</b> _____
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**Reason For Sampling**

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

<b>Water Temp. (C)</b> 3.2	<b>D.O. (mg/l)</b> 12.88	<b>D.O. (% sat.)</b> 100	<b>pH (su)</b> 7.53	<b>Conductivity (umhos/cm)</b> 88.4	<b>Transparency (cm)</b> 7120
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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 m/s or f/s	<b>Average Stream Depth of reach (m)</b> 1	<b>Average Stream Width of reach (m)</b> 1.5
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**Composition of Substrate Sampled (Percent):**

Bedrock: \_\_\_\_\_     
 Boulders (basketball or larger): \_\_\_\_\_     
 Rubble (tennisball to basketball): 70     
 Gravel (ladybug to tennisball): 20

Sand: \_\_\_\_\_     
 Clay: \_\_\_\_\_     
 Silt/Muck: \_\_\_\_\_     
 Overhanging Vegetation: \_\_\_\_\_

Aquatic Macrophytes: \_\_\_\_\_     
 Leaf Snags: 10     
 Coarse Woody Debris: \_\_\_\_\_     
 Other (\_\_\_\_): \_\_\_\_\_

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

**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	PL		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	PL		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 Logan Cutler	Taxonomist Dimmock, Jeffrey	Estimated Percent of Sample Sorted 7%
Date Processed 10/16/19	Specimens Saved 159 subsample archived in ABL info 1 Jan 2022	

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