

Instructions: Bold fields must be completed.

Station Summary			
Waterbody Name <b>THIEL CREEK</b>		Waterbody ID Code <b>280100</b>	Sample ID (YYYYMMDD-CY-FD) <b>20211005-69-01</b>
Sampling Location			Database Key <b>286575529</b>
SWIMS Station ID <b>693143</b>		SWIMS Station Name <b>THIEL CREEK AT SWAN ROAD</b>	
Latitude <b>44.4427588</b>	Longitude <b>-88.9468181</b>	Lat/Long Determination Method (circle) <b>SWIMS SWDV GPS</b>	Datum Used if using GPS <b>WGS84</b> or NAD83
Basin (WMU) <b>WOLF RIVER</b>		Watershed Name <b>LOWER LITTLE WOLF RIVER</b>	County <b>WAUPACA</b>

Sample and Site Descriptors	
Sample Collector (Last Name, First) <b>DAVID BOLHA</b>	Project Name <b>BEAR LAKE TWA 319</b>

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

Total Sampling Time (min) <b>1</b>	Estimated Area Sampled (m <sup>2</sup> ) <b>.4</b>	Number of Samples in Composite <b>1</b>	Replicate No. _____ of _____
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Reason For Sampling

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

Water Temp. (C) <b>15.6</b>	D.O. (mg/l) <b>7.17</b>	D.O. (% sat.) <b>72.1</b>	pH (su) <b>7.9</b>	Conductivity (umhos/cm) <b>558.0</b>	Transparency (cm) <b>90</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 checked="" type="checkbox"/> Slow (< 0.15 m/s) <input type="checkbox"/> Moderate (0.15 m/s - 0.5 m/s) <input type="checkbox"/> Fast (> 0.5 m/s)
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Measured Velocity circle units m/s or f/s	Average Stream Depth of reach (m) <b>.1</b>	Average Stream Width of reach (m) <b>2</b>
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Composition of Substrate Sampled (Percent):

Bedrock: \_\_\_\_\_ Boulders (basketball or larger): \_\_\_\_\_ Rubble (tennisball to basketball): **100** Gravel (ladybug to tennisball): \_\_\_\_\_  
 Sand: \_\_\_\_\_ Clay: \_\_\_\_\_ Silt/Muck: \_\_\_\_\_ Overhanging Vegetation: \_\_\_\_\_  
 Aquatic Macrophytes: \_\_\_\_\_ Leaf Snags: \_\_\_\_\_ Coarse Woody Debris: \_\_\_\_\_ Other ( \_\_\_\_\_ ): \_\_\_\_\_

Embeddedness of Substrate at Sample Site (%) **0** 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	N	N	Chlorine	N	N
- Filamentous Algae	N	N	Dissolved Oxygen	N	N
- Planktonic Algae	N	N	Nutrients (P, N...)	PH	PH
Iron Bacteria	N	N	Toxics: - Inorganic (Metals)	N	N
Macrophytes	N	N	- Organic (PCBs, pesticides...)	N	N
Slimes	N	N	Other - Specify:	N	N
Other - Specify:	N	N	<b>Sources of Stream Impacts</b>		
			Bank Erosion	PH	PH
			Point Source - Specify:	N	N
<b>Physical</b>			Pasturing of Livestock	N	PL
Bank Erosion	PH	PH	Runoff: - Barnyard	N	PL
Channelization: - Upstream	PL	PH	- Construction	N	N
- Downstream	PL	PH	- Cropland	PH	PH
Hydraulic Scour / Channel Incision	PH	PH	- Urban	N	N
Impoundment: - Upstream	N	N	Septic Systems	N	N
- Downstream	N	N	Tile Drainage - Organic Soils	N	PL
Low Flow	PL	PL	- Mineral Soils	N	PL
Sedimentation	PH	PH	Springs	N	N
Sludge	N	N	Tributary(s)	N	N
Thermal	PL	PL	Wetland	N	N
Turbidity	PH	PH	Other - Specify:	N	N
Other - Specify:	N	N			

Comments

Special Instructions for Laboratory

**For Lab Use Only**

Sample Sorter Katherine McClure	Taxonomist Dimick Jeffrey	Estimated Percent of Sample Sorted 7.8
Date Processed 5/23/2022	Specimens Saved Subsample archived in ABI until Jul 2025	

B2, A4 93  
 94 33

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