

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

Station Summary						
Waterbody Name THIEL CREEK			Waterbody ID Code 280100		Sample ID (YYYYMMDD-CY-FD) 20211005-69-02	
Sampling Location					Database Key 286575525	
SWIMS Station ID 10048062		SWIMS Station Name THIEL CREEK US NORTH RAIL RD				
Latitude 44.4612492	Longitude -88.9551289		Lat/Long Determination Method (circle) SWIMS SWDV GPS			Datum Used if using GPS WGS84 or NAD83
Basin (WMU) WOLF RIVER			Watershed Name LOWER LITTLE WOLF RIVER		County WAUPACA	
Sample and Site Descriptors						
Sample Collector (Last Name, First) DAVID BOLHA				Project Name BEAR LAKE TWA 319		
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 type="checkbox"/> Riffle <input checked="" 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) 3		Estimated Area Sampled (m²) 1.5		Number of Samples in Composite 1		Replicate No. _____ of _____
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>Bear Lake TWA</u>						
Water Temp. (C) 16.3	D.O. (mg/l) 4.53	D.O. (% sat.) 46.4	pH (su) 7.64	Conductivity (umhos/cm) 659		Transparency (cm) 116
Water Color				Estimated Stream Velocity (m/s)		
<input checked="" type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Stained				<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)		
Measured Velocity circle units m/s or f/s		Average Stream Depth of reach (m) .1		Average Stream Width of reach (m) 2		
Composition of Substrate Sampled (Percent):						
Bedrock: _____		Boulders (basketball or larger): _____		Rubble (tennisball to basketball): <u>50</u>		Gravel (ladybug to tennisball): <u>10</u>
Sand: <u>10</u>		Clay: _____		Silt/Muck: _____		Overhanging Vegetation: _____
Aquatic Macrophytes: <u>30</u>		Leaf Snags: _____		Coarse Woody Debris: _____		Other (_____): _____
Embeddedness of Substrate at Sample Site (%) <u>30</u>				Canopy Cover at Sample Site (%) <u>0</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	N	N
- Filamentous Algae	N	N	Dissolved Oxygen	PH	PH PH
- Planktonic Algae	N	N	Nutrients (P, N...)	PH	PH
Iron Bacteria	N	N	Toxics: - Inorganic (Metals)	N	N
Macrophytes	PL	PL	- Organic (PCBs, pesticides...)	N	N
Slimes	N	N	Other - Specify:	N	N
Other - Specify:	N	N	Sources of Stream Impacts		
			Bank Erosion	PL	PL PL
Physical			Point Source - Specify:	N	N
Bank Erosion	PL	PL	Pasturing of Livestock	PL	PL
Channelization: - Upstream	PH	PH	Runoff: - Barnyard	PL	PL
- Downstream	PH	PH	- Construction	N	N
Hydraulic Scour / Channel Incision	N	PH N	- Cropland	PH	PH
Impoundment: - Upstream	N	N	- Urban	N	N
- Downstream	N	N	Septic Systems	N	N
Low Flow	PH	PH	Tile Drainage - Organic Soils	N	N N
Sedimentation	PH	PH	- Mineral Soils	PL	PL
Sludge	N	N	Springs	N	N
Thermal	PH	PH PH	Tributary(s)	N	N
Turbidity	PH	PH	Wetland	N	N
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 14.1
Date Processed 5/24/2022	Specimens Saved Subsample archived in ABL cabinet Jul 2025	

C494:18 A192:9 C49B494:31
 C493:15 A191:6 15
 C491:24 A193:7
 C492:7 A194:17

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