

Instructions: Bold fields must be completed.

Station Summary					
Waterbody Name <b>PINE RIVER</b>		Waterbody ID Code 247800		Sample ID (YYYYMMDD-CY-FD) 20181026-70-06	
Sampling Location				Database Key 169821871	
SWIMS Station ID 703107		SWIMS Station Name PINE RIVER - OFF 26TH RD AT E. FRATER PROP.			
Latitude 44.16676	Longitude -89.10511	Lat/Long Determination Method (circle) SWIMS <u>SWDV</u> GPS		Datum Used if using GPS WGS84 or NAD83	
Basin (WMU) WOLF RIVER		Watershed Name PINE AND WILLOW RIVERS		County WAUSHARA	
Sample and Site Descriptors					
Sample Collector (Last Name, First) DAVID BOLHA			Project Name PINE RIVER 319 PROJECT-FUNDED TWA 2018		
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) 2	Estimated Area Sampled (m <sup>2</sup> ) 1.5	Number of Samples in Composite 1		Replicate No. <sup>1 of 1</sup> <del>2</del> <sup>2</sup> of <del>2</del> <sup>2</sup>	
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: Targeted Watershed Assessment	
Water Temp. (C) 8.3	D.O. (mg/l) 11.3	D.O. (% sat.) 99.0	pH (su) 7.9	Conductivity (umhos/cm) 352.7	Transparency (cm) 120
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 type="checkbox"/> Moderate (0.15 m/s - 0.5 m/s) <input checked="" type="checkbox"/> Fast (> 0.5 m/s)		
Measured Velocity 2.28	circle units m/s or f/s	Average Stream Depth of reach (m) 0.6		Average Stream Width of reach (m) 7	
Composition of Substrate Sampled (Percent):					
Bedrock: _____		Boulders (basketball or larger): _____	Rubble (tennisball to basketball): 80	Gravel (ladybug to tennisball): 10	
Sand: 10		Clay: _____	Silt/Muck: _____	Overhanging Vegetation: _____	
Aquatic Macrophytes: _____		Leaf Snags: _____	Coarse Woody Debris: _____	Other (____): _____	
Embeddedness of Substrate at Sample Site (%) 20			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...)	N	N
Iron Bacteria	N	N	Toxics: - Inorganic (Metals)	N	N
Macrophytes	N	N	- Organic (PCBs, pesticides...)	N	N
Slimes	N	N	Other - Specify:		
Other - Specify:			<b>Sources of Stream Impacts</b>		
			Bank Erosion	N	N
			Point Source - Specify:	N	N
<b>Physical</b>			Pasturing of Livestock	N	N
Bank Erosion	N	N	Runoff: - Barnyard	N	N
Channelization: - Upstream	N	N	- Construction	N	N
- Downstream	N	N	- Cropland	N	PL
Hydraulic Scour / Channel Incision	N	N	- Urban	N	N
Impoundment: - Upstream	PL	PH	Septic Systems	N	N
- Downstream	N	PH	Tile Drainage - Organic Soils	N	PL
Low Flow	N	N	- Mineral Soils	N	PL
Sedimentation	PH	PH	Springs	N	PL
Sludge	N	N	Tributary(s)	N	PL
Thermal	N	N	Wetland	PL	PL
Turbidity	N	N	Other - Specify:		
Other - Specify:					

Comments  
 Replicate of Database Key 168915307  
 sample

Special Instructions for Laboratory

Same sorter as 20181026-70-03

For Lab Use Only		
Sample Sorter Logan Cutler	Taxonomist Dimick, Jeffrey	Estimated Percent of Sample Sorted 80%
Date Processed 3/28/19	Specimens Saved 11 + 12 + 6 + 12 + 15 + 13 + 8 + 12 + 15 + 9 + 10 + 7 = 130	
	02 03 01 01 03 03 02 03 02 02 03 01 01 01 01	

Subsample available in ABC in lab May 2022