

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

Station Summary					
Waterbody Name PINE RIVER		Waterbody ID Code 247800		Sample ID (YYYYMMDD-CY-FD) 20181017-70-03	
Sampling Location				Database Key 169215337	
SWIMS Station ID 10029791		SWIMS Station Name PINE RIVER W4902 PORTAGE ROAD SAXEVILLE			
Latitude 44.17806°	Longitude 89.12843°	Lat/Long Determination Method (circle) SWIMS SWDV <u>GPS</u>		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 checked="" type="checkbox"/> Riffle		<input 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 (m²) 1.0		Number of Samples in Composite 1		Replicate No. 1 of 2
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: _____	
Water Temp. (C) 7.9	D.O. (mg/l) 11.9	D.O. (% sat.) 102.1	pH (su) 7.7	Conductivity (umhos/cm) 345.5	Transparency (cm) 120
Water Color			Estimated Stream Velocity (m/s)		
<input checked="" type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Stained			<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 2.80		circle units m/s or <u>f/s</u>	Average Stream Depth of reach (m) 0.5		Average Stream Width of reach (m) 13
Composition of Substrate Sampled (Percent):					
Bedrock: _____		Boulders (basketball or larger): 10	Rubble (tennisball to basketball): 50	Gravel (ladybug to tennisball): 30	
Sand: 10		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 (%) 0		

~~44.17770~~
~~89.12832~~

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
Biological			Chemical		
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:			Sources of Stream Impacts		
			Bank Erosion	N	N
			Point Source - Specify:	N	N
Physical			Pasturing of Livestock	N	N
Bank Erosion	N	N	Runoff: - Barnyard	N	N
Channelization: - Upstream	PL	N	- Construction	N	N
- Downstream	PL	N	- Cropland	N	PL
Hydraulic Scour / Channel Incision	N	N	- Urban	N	N
Impoundment: - Upstream	N	PH	Septic Systems	N	N
- Downstream	PH	PH	Tile Drainage - Organic Soils	N	PL
Low Flow	N	N	- Mineral Soils	N	PL
Sedimentation	N	PH	Springs	N	PL
Sludge	N	N	Tributary(s)	N	PL
Thermal	N	N	Wetland	N	PL
Turbidity	N	N	Other - Specify:		
Other - Specify:					

Comments

Special Instructions for Laboratory

1E=10

2B, 2D=51

~~1A, 1C=~~

Total = 153

1D=26

3E, 1B=66

~~3D, 5B=~~

For Lab Use Only

Sample Sorter Murphy Steinhilber	Taxonomist Dimick, Jeffrey	Estimated Percent of Sample Sorted 40%
Date Processed 3/6/19 02-17	Specimens Saved Subsample archived in ABL until May 2022	