

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name PINE RIVER		Waterbody ID Code 247800	Sample ID (YYYYMMDD-CY-FD) 20181101-70-01
Sampling Location			Database Key 168915323
SWIMS Station ID 10032735	SWIMS Station Name PINE RIVER AT HWY. 49 POY SIPPI		
Latitude 44.13500	Longitude -88.99556	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
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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

Total Sampling Time (min) 3	Estimated Area Sampled (m²) 1.5	Number of Samples in Composite 1	Replicate No. 1 of 1
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Reason For Sampling

Least Impacted Reference
 Baseline
 Impact / Treatment Site
 Control Site
 Trend
 Other: Targeted Watershed Assessment

Water Temp. (C) 7.1	D.O. (mg/l) 10.0	D.O. (% sat.) 84.8	pH (su) 7.7	Conductivity (umhos/cm) 347.8	Transparency (cm) 100
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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 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)
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Measured Velocity circle units m/s or f/s	Average Stream Depth of reach (m) 0.5	Average Stream Width of reach (m) 13
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): 10 Rubble (tennisball to basketball): 30 Gravel (ladybug to tennisball): 50
 Sand: 10 Clay: _____ Silt/Muck: _____ Overhanging Vegetation: _____
 Aquatic Macrophytes: _____ Leaf Snags: _____ Coarse Woody Debris: _____ Other (): _____

Embeddedness of Substrate at Sample Site (%) 10 **Canopy Cover at Sample Site (%)** 60

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		PL	N	- Organic (PCBs, pesticides...)		N	N
Slimes		N	N	Other - Specify:			
Other - Specify:				Sources of Stream Impacts			
				Bank Erosion		PL	N
				Point Source - Specify:		N	N
Physical				Pasturing of Livestock			
Bank Erosion		PL	N	Runoff: - Barnyard		N	N
Channelization: - Upstream		PL	N	- Construction		N	N
- Downstream		N	N	- Cropland		N	PL
Hydraulic Scour / Channel Incision		N	N	- Urban		PL	N
Impoundment: - Upstream		PH	PH	Septic Systems		N	N
- Downstream		N	N	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		N	PL
Turbidity		N	N	Other - Specify:			
Other - Specify:							

Comments

Special Instructions for Laboratory

For Lab Use Only		
Sample Sorter <i>Abby Adams</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>13%</i>
Date Processed <i>3-15-19</i>	Specimens Saved <i>Subsample archived in ABL until May 2022</i>	

E1 E2
 91 90 Total = 181

