

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name PINE RIVER	Waterbody ID Code 247800	Sample ID (YYYYMMDD-CY-FD) 20181026-70-03
Sampling Location		Database Key 168915307

SWIMS Station ID 703107	SWIMS Station Name PINE RIVER - OFF 26TH RD AT E. FRATER PROP.
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Latitude 44.16676	Longitude -89.10511	Lat/Long Determination Method (circle) SWIMS <u>SWDV</u> GPS	Datum Used if using GPS WGS84 or NAD83
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Basin (WMU) WOLF RIVER	Watershed Name PINE AND WILLOW RIVERS	County WAUSHARA
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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) 2	Estimated Area Sampled (m²) 1.5	Number of Samples in Composite 1	Replicate No. 1 of 2
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Reason For Sampling

Least Impacted Reference
 Baseline
 Impact / Treatment Site
 Control Site
 Trend
 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
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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 2.28	circle units m/s or f/s	Average Stream Depth of reach (m) 0.5	Average Stream Width of reach (m) 7
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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
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	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

Special Instructions for Laboratory

Sorter also sorts 20181026-7D-D6

For Lab Use Only		
Sample Sorter Logan Cutler	Taxonomist Dimick, Jeffrey	Estimated Percent of Sample Sorted 33%
Date Processed 3/11/19	Specimens Saved 16 + 29 + 32 + 35 + 16 = 128 A3 A1 B2 E2 A2 E3	Subsample archived in ABL mds

May 2022