

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

Station Summary						
<b>Waterbody Name</b> PINE RIVER			<b>Waterbody ID Code</b> 247800		<b>Sample ID (YYYYMMDD-CY-FD)</b> 20181019-70-02	
<b>Sampling Location</b>					<b>Database Key</b> 169215333	
<b>SWIMS Station ID</b> 10050198		<b>SWIMS Station Name</b> PINE RIVER US IDLEWILD MILLPOND AND CTY K				
<b>Latitude</b> 44.20656	<b>Longitude</b> 89.21739	<b>Lat/Long Determination Method (circle)</b> SWIMS SWDV GPS			<b>Datum Used if using GPS</b> WGS84 or NAD83	
<b>Basin (WMU)</b> WOLF RIVER		<b>Watershed Name</b> PINE AND WILLOW RIVERS			<b>County</b> WAUSHARA	
Sample and Site Descriptors						
<b>Sample Collector (Last Name, First)</b> DAVID BOLHA				<b>Project Name</b> PINE RIVER 319 PROJECT-FUNDED TWA 2018		
<b>Sampling Device</b>						
<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: _____		
<b>Habitat Sampled</b>						
<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		
<b>Total Sampling Time (min)</b> 3	<b>Estimated Area Sampled (m<sup>2</sup>)</b> 1.5		<b>Number of Samples in Composite</b> 1		<b>Replicate No.</b> 1 <b>of</b> 1	
<b>Reason for Sampling</b>						
<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		
<b>Water Temp. (C)</b> 9.1	<b>D.O. (mg/l)</b> 10.5	<b>D.O. (% sat.)</b> 93.5	<b>pH (su)</b> 7.6	<b>Conductivity (umhos/cm)</b> 382.5		<b>Transparency (cm)</b> 120
<b>Water Color</b> <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Stained			<b>Estimated Stream Velocity (m/s)</b> <input type="checkbox"/> Slow (< 0.15 m/s) <input checked="" type="checkbox"/> Moderate (0.15 m/s - 0.5 m/s) <input type="checkbox"/> Fast (> 0.5 m/s)			
<b>Measured Velocity</b> circle units 0.82 m/s or f/s		<b>Average Stream Depth of reach (m)</b> 0.9		<b>Average Stream Width of reach (m)</b> 7		
<b>Composition of Substrate Sampled (Percent):</b>						
Bedrock: _____		Boulders (basketball or larger): _____		Rubble (tennisball to basketball): _____		Gravel (ladybug to tennisball): 80
Sand: 20		Clay: _____		Silt/Muck: _____		Overhanging Vegetation: _____
Aquatic Macrophytes: _____		Leaf Snags: _____		Coarse Woody Debris: _____		Other ( ): _____
<b>Embeddedness of Substrate at Sample Site (%)</b> 20				<b>Canopy Cover at Sample Site (%)</b> 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	PL	PL	- 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	N
Hydraulic Scour / Channel Incision	N	N	- Urban	N	N
Impoundment: - Upstream	PL	PH	Septic Systems	N	N
- Downstream	PL	PL	Tile Drainage - Organic Soils	N	N
Low Flow	N	N	- Mineral Soils	N	N
Sedimentation	PL	PL	Springs	N	PL
Sludge	N	N	Tributary(s)	N	N
Thermal	N	N	Wetland	PL	PL
Turbidity	N	N	Other - Specify:		
Other - Specify:					

Comments

Special Instructions for Laboratory

For Lab Use Only		
Sample Sorter <i>Sam Lamarche</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>13%</i>
Date Processed <i>3/8/19</i>	Specimens Saved <i>subsample archived in DBL until May 2022</i>	

A3 C2  
 47 78 125 total

