

Sample in 2 jars

**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> 20181012-70-03
<b>Sampling Location</b>			<b>Database Key</b> 168915331
<b>SWIMS Station ID</b> 703070	<b>SWIMS Station Name</b> UPPER PINE RIVER AT 17TH DRIVE		
<b>Latitude</b> 44,195663	<b>Longitude</b> -89,276213	<b>Lat/Long Determination Method (circle)</b> SWIMS SWDV <u>GPS</u>	<b>Datum Used if using GPS</b> <u>WGS84</u> 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
---	---

**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

<b>Total Sampling Time (min)</b> 4	<b>Estimated Area Sampled (m<sup>2</sup>)</b> 2	<b>Number of Samples in Composite</b> 1	<b>Replicate No.</b> 1 <b>of</b> 1
---------------------------------------	--	--	------------------------------------

**Reason For Sampling**

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

<b>Water Temp. (C)</b> 6.9	<b>D.O. (mg/l)</b> 9.2	<b>D.O. (% sat.)</b> 77.7	<b>pH (su)</b> 7.5	<b>Conductivity (umhos/cm)</b> 326.1	<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> 0.95	circle units m/s or (f/s)	<b>Average Stream Depth of reach (m)</b> 0.46	<b>Average Stream Width of reach (m)</b> 1.1
----------------------------------	------------------------------	--	---

**Composition of Substrate Sampled (Percent):**

Bedrock: \_\_\_\_\_ Boulders (basketball or larger): \_\_\_\_\_ Rubble (tennisball to basketball): \_\_\_\_\_ Gravel (ladybug to tennisball): \_\_\_\_\_  
 Sand: \_\_\_\_\_ Clay: \_\_\_\_\_ Silt/Muck: \_\_\_\_\_ Overhanging Vegetation: 100  
 Aquatic Macrophytes: \_\_\_\_\_ Leaf Snags: \_\_\_\_\_ Coarse Woody Debris: \_\_\_\_\_ Other ( ): \_\_\_\_\_

**Embeddedness of Substrate at Sample Site (%)** \_\_\_\_\_ **Canopy Cover at Sample Site (%)** 50

**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	PL	- Construction	N	N
- Downstream	N	N	- Cropland	N	PL
Hydraulic Scour / Channel Incision	N	N	- Urban	N	N
Impoundment: - Upstream	N	N	Septic Systems	N	N
- Downstream	N	PH	Tile Drainage - Organic Soils	N	N
Low Flow	N	N	- Mineral Soils	N	N
Sedimentation	PH	PH	Springs	PL	PL
Sludge	N	N	Tributary(s)	PL	PL
Thermal	N	N	Wetland	PL	PL
Turbidity	N	N	Other - Specify:		
Other - Specify:					

Comments

Special Instructions for Laboratory

Sample in 2 jars

For Lab Use Only		
Sample Sorter Logan Cutler	Taxonomist Dimick Jeffrey	Estimated Percent of Sample Sorted 13%
Date Processed 2/28/19	Specimens Saved <sup>total</sup> 93 + 117 = 210 subsample archived in ABL until May 2022	

E2 C3 D2  
 9hr