

Instructions: Bold fields must be completed.

**Station Summary**

<b>Waterbody Name</b> POPPLE CREEK	<b>Waterbody ID Code</b> 249200	<b>Sample ID (YYYYMMDD-CY-FD)</b> 20181012-70-01
<b>Sampling Location</b>		<b>Database Key</b> 168360448

<b>SWIMS Station ID</b> 10048955	<b>SWIMS Station Name</b> UNNAMED TRIB OF PINE RIVER - CTH A
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<b>Latitude</b> 44.1771618	<b>Longitude</b> -89.1082134	<b>Lat/Long Determination Method (circle)</b> <u>SWIMS</u> SWDV GPS	<b>Datum Used if using GPS</b> WGS84 or NAD83
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<b>Basin (WMU)</b> WOLF RIVER	<b>Watershed Name</b> PINE AND WILLOW RIVERS	<b>County</b> WAUSHARA
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**Sample and Site Descriptors**

<b>Sample Collector (Last Name, First)</b> DAVID BOLHA	<b>Project Name</b> 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

<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
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**Reason For Sampling**

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

<b>Water Temp. (C)</b> 11.1	<b>D.O. (mg/l)</b> 9.7	<b>D.O. (% sat.)</b> 90.3	<b>pH (su)</b> 7.6	<b>Conductivity (umhos/cm)</b> 230.5	<b>Transparency (cm)</b> 120
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<b>Water Color</b> <input type="checkbox"/> Clear <input type="checkbox"/> Turbid <input checked="" 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)
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<b>Measured Velocity</b> circle units m/s or f/s	<b>Average Stream Depth of reach (m)</b> 0.2	<b>Average Stream Width of reach (m)</b> 2
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**Composition of Substrate Sampled (Percent):**

Bedrock: \_\_\_\_\_ Boulders (basketball or larger): \_\_\_\_\_ Rubble (tennisball to basketball): 20 Gravel (ladybug to tennisball): 60  
 Sand: 20 Clay: \_\_\_\_\_ Silt/Muck: \_\_\_\_\_ Overhanging Vegetation: \_\_\_\_\_  
 Aquatic Macrophytes: \_\_\_\_\_ Leaf Snags: \_\_\_\_\_ Coarse Woody Debris: \_\_\_\_\_ Other ( ): \_\_\_\_\_

**Embeddedness of Substrate at Sample Site (%)** 20      **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
<b>Biological</b>			<b>Chemical</b>		
Algae: - Diatoms / Periphyton	PL	PL	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
			Pasturing of Livestock	N	N
<b>Physical</b>			Runoff: - Barnyard	N	N
Bank Erosion	N	N	- Construction	N	N
Channelization: - Upstream	N	PL	- Cropland	N	PL
- Downstream	N	PL	- Urban	N	N
Hydraulic Scour / Channel Incision	N	N	Septic Systems	N	N
Impoundment: - Upstream	PH	PH	Tile Drainage - Organic Soils	N	N
- Downstream	N	N	- Mineral Soils	N	N
Low Flow	N	N	Springs	N	N
Sedimentation	N	N	Tributary(s)	N	N
Sludge	N	N	Wetland	N	N
Thermal	PL	PL	Other - Specify:		
Turbidity	N	N			
Other - Specify:					

Comments

Special Instructions for Laboratory

For Lab Use Only		
Sample Sorter Abby Adams	Taxonomist Dimitri Jeffrey	Estimated Percent of Sample Sorted 7%
Date Processed 2/28/2019	Specimens Saved Subsample archived in DBX until May 2022	

D3 134

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Perlodidae	L	1	1	Hils 1995	imm	
Baetis brunneicolor	L		4	Klub 2016		
B-Flavistriga species complex	L	-	5	"		
Isaiaea anoka	L		2	"		
3/17 4/3 Microsetema rusticum	L		1	Hils 1985	<del>imm</del>	
Proteptila	L		3	Hils 1995		
Helicopsyche borealis	L	-	5	"		
Cheumatopsyche	L		3	"		
Hydropsyche	L		2	"	imm	N
H. bettleri	L	x	13	Schm Hils 1986		
Ceratopsyche	L		1	Hils 1995	imm	N
C. branta	L		4	Schm Hils 1986		
2/6 C. spama	L	x	13	"		
Macronychus glabratus	L		1	Hils Schm 1992		
Optioservus	L	x	11	"	imm	N
O. fastidius L, 13 A, 5	L, A	x-	18	"		
Stenelmis	L	o	23	"		N
S. crenata	A	-	9	"		
Hemerodromia	L		3	Court Merr 2008		
Simulium venustum species complex	L		1	Adler et al 2004		
S. vittatum species complex 08110218	L		2	"		
Tipula	L		2	Hils 1995		
Caecidotea	A		1	Will 1972	fem	
Sphaerium	A		1	Burch 1972		
Alysiidum	L		1	Epl et al 2013	imm	
Rheotanytarsus	L		4	"		

3 taxa, TVAL ≤ 2.0  
17 > (0.1 x 126)