

Instructions: Bold fields must be completed.

Station Summary						
Waterbody Name UNNAMED <u>trib. to Ahnapee River</u>			Waterbody ID Code 95440		Sample ID (YYYYMMDD-CY-FD) <u>20191014-31-19</u>	
Sampling Location <u>WOLF RIVER DRIVE</u>					Database Key 210273895	
SWIMS Station ID 10047844		SWIMS Station Name UNNAMED TRIB TO AHNAPPEE RIVER AT WOLF RIVER DRIVE				
Latitude		Longitude		Lat/Long Determination Method (circle) SWIMS SWDV GPS		Datum Used if using GPS WGS84 or NAD83
Basin (WMU) TWIN - DOOR - KEWAUNEE			Watershed Name AHNAPEE RIVER		County KEWAUNEE	
Sample and Site Descriptors						
Sample Collector (Last Name, First) MARY K GANSBERG, HOLLY A STEGEMAI				Project Name NE LAKESHORE TMDL SUPPLEMENTAL MONITORING 2019		
Sampling Device						
<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: _____
Habitat Sampled						
<input checked="" type="checkbox"/> Riffle		<input 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		
Total Sampling Time (min) <u>2</u>		Estimated Area Sampled (m²) <u>1</u>		Number of Samples in Composite <u>1</u>		Replicate No. _____ of _____
Reason For Sampling						
<input type="checkbox"/> Least Impacted Reference		<input checked="" type="checkbox"/> Baseline		<input type="checkbox"/> Impact / Treatment Site		
<input type="checkbox"/> Control Site		<input type="checkbox"/> Trend		<input type="checkbox"/> Other: _____		
Water Temp. (C) <u>6.7</u>	D.O. (mg/l) <u>10.0</u>	D.O. (% sat.) <u>82.8</u>	pH (su) <u>7.4</u>	Conductivity (umhos/cm) <u>383</u>		Transparency (cm)
Water Color <input type="checkbox"/> Clear <input type="checkbox"/> Turbid <input checked="" type="checkbox"/> Stained				Estimated Stream Velocity (m/s) <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)		
Measured Velocity circle units m/s or f/s		Average Stream Depth of reach (m) <u>0.7</u>		Average Stream Width of reach (m) <u>2</u>		
Composition of Substrate Sampled (Percent):						
Bedrock: _____		Boulders (basketball or larger): _____		Rubble (tennisball to basketball): _____		Gravel (ladybug to tennisball): <u>50</u>
Sand: <u>50</u>		Clay: _____		Silt/Muck: _____		Overhanging Vegetation: _____
Aquatic Macrophytes: _____		Leaf Snags: _____		Coarse Woody Debris: _____		Other (____): _____
Embeddedness of Substrate at Sample Site (%) <u>10</u>				Canopy Cover at Sample Site (%) <u>0</u>		

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				Chlorine			
- Filamentous Algae				Dissolved Oxygen			
- Planktonic Algae				Nutrients (P, N...)			
Iron Bacteria				Toxics: - Inorganic (Metals)			
Macrophytes				- Organic (PCBs, pesticides...)			
Slimes				Other - Specify:			
Other - Specify:				Sources of Stream Impacts			
				Bank Erosion			
				Point Source - Specify:			
				Pasturing of Livestock			
Channelization: - Upstream				Runoff: - Barnyard			
- Downstream				- Construction			
Hydraulic Scour / Channel Incision				- Cropland			
Impoundment: - Upstream				- Urban			
- Downstream				Septic Systems			
Low Flow				Tile Drainage - Organic Soils			
Sedimentation				- Mineral Soils			
Sludge				Springs			
Thermal				Tributary(s)			
Turbidity				Wetland			
Other - Specify:				Other - Specify:			

Comments

Special Instructions for Laboratory

For Lab Use Only		
Sample Sorter <i>Logan Cutler</i>	Taxonomist <i>Dimick, Jeffray</i>	Estimated Percent of Sample Sorted <i>20%</i>
Date Processed <i>3/7/2020</i>	Specimens Saved <i>48 + 38 60 = 146</i>	

*A1 D1 | D2 Total
 2.8hr | 1.5hr
 subsample archived in ABL cabinet Aug 2020-2023*

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Baetis flavistriga</i> species complex	L	1	1	Klub 2016		
<i>Cheumatopsyche</i>	L	x-1	16	Hils 1995		
<i>Hydropsyche</i>	L	1	1	"	imm	N
<i>H. netteni</i>	L	1	1	Schm Hils 1986		
<i>Pycnopsyche</i>	L	1	1	Hils 1995		
<i>Psychomyia flavida</i>	L	11	2	"		
<i>Optiosevus</i>	L	8 in	43	Hils Schm 1992	imm	N
<i>O. fastiditus</i> L 6 A.3	2A	-1111	9	"		
<i>Arlicoides</i>	L	1	1	Hils 1995		
<i>Idemecromia</i>	L	1	1	MerrComm B 2019		
Ephydriidae	A	1	1	MerrWebb 2008		
Dicraneta	L	11	2	Hils 1995		
<i>Comynoneura</i>	P	11	2	MerrComm B 2019		
<i>Gammarus pseudolimnacus</i>	A	x-1111	19	Hils 1972		
<i>Caecidotea intermedia</i>	A	-111	8	Will 1972		
<i>Oronectes</i>	A	1	1	Hobbs-Jass 1988	imm	
<i>Hygrobatas</i>	A	1	1	Piochino 1984		
Naidinae	A	111	3	BrinGeld 1991		
Tubificinae (with hairs)	A	11	2	Kleann 1985		Y
Tubificinae (without hairs)	A	1	1	"		Y
Mesadrilli = <i>Metasynophora</i>	A	1	1	Thorp Rog 2016		
Phyxa	A	#10	2	"		
<i>Fossaria</i>	A	1	1	Brown 1991		
Enchytraeidae	A	1	1	Thorp Rog 2016		
Split A2 Anurancinidae	L	011-111				
<i>Cryptochironomus</i>	L	1	1	Epl et al 2013		
<i>Microtendipes pedellus</i> group	L	-1111	9	"		
<i>Rheotanytarsus</i>	L	-1	6	"		
<i>Conchapelona</i> 08270700	L	1	1	Cran Epl 2013		
<i>Orthocladiinae</i> 08300000	L	1	1	Cranston 2013	imm	
<i>Microseetra</i>	L	11	2	Epl et al 2013		
<i>Paratanytarsus longistilus</i>	L	1	1	"		
<i>Phaenoseetra</i>	L	1	1	"	imm	
<i>Polypedilum</i> (<i>Tripodura</i>) <i>scalaeum</i> group	L	1	1	Bolton 2012		
<i>P. (Uresipedium) aviceps</i>	L	x1	11	"		
<i>Tanytarsus</i>	L	1	1	Epl et al 2013		
<i>Tribelos jucundus</i>	L	1	1	Bolton 2012		