

Instructions: Bold fields must be completed.

Station Summary			
Waterbody Name AHNAPEE RIVER		Waterbody ID Code 94800	Sample ID (YYYYMMDD-CY-FD) 20180920-15-02
Sampling Location			Database Key 168775393
SWIMS Station ID 153161		SWIMS Station Name AHNAPEE RIVER AT CTH H FORESTVILLE	
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 DOOR
Sample and Site Descriptors			
Sample Collector (Last Name, First) MARY GANSBERG		Project Name NER LONG-TERM TREND WADEABLE REFERENCE STREAM	
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) 1	Estimated Area Sampled (m²) 0.3	Number of Samples in Composite 1	Replicate No. _____ of _____
Reason For Sampling			
☐ Least Impacted Reference ☐ Baseline ☐ Impact / Treatment Site ☐ Control Site ☒ Trend ☐ Other: _____			
Water Temp. (C) 13.0	D.O. (mg/l) 10.0	D.O. (% sat.) 94.6	pH (su) 7.9
Conductivity (umhos/cm) 806		Transparency (cm)	
Water Color ☒ Clear ☐ Turbid ☐ Stained		Estimated Stream Velocity (m/s) ☒ Slow (< 0.15 m/s) ☐ Moderate (0.15 m/s - 0.5 m/s) ☐ Fast (> 0.5 m/s)	
Measured Velocity circle units m/s or f/s	Average Stream Depth of reach (m) 0.5		Average Stream Width of reach (m) 14
Composition of Substrate Sampled (Percent):			
Bedrock: _____	Boulders (basketball or larger): _____	Rubble (tennisball to basketball): 60	Gravel (ladybug to tennisball): 30
Sand: 10	Clay: _____	Silt/Muck: _____	Overhanging Vegetation: _____
Aquatic Macrophytes: _____ Leaf Snags: _____ Coarse Woody Debris: _____ Other ():: _____			
Embeddedness of Substrate at Sample Site (%) 10 Canopy Cover at Sample Site (%) 10			

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		
Physical			Runoff: - Barnyard		
Bank Erosion			- Construction		
Channelization: - Upstream			- Cropland		
- Downstream			- Urban		
Hydraulic Scour / Channel Incision			Septic Systems		
Impoundment: - Upstream			Tile Drainage - Organic Soils		
- Downstream			- Mineral Soils		
Low Flow			Springs		
Sedimentation			Tributary(s)		
Sludge			Wetland		
Thermal			Other - Specify:		
Turbidity					
Other - Specify:					

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter <i>Jovanna Erickson</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>7%</i>
Date Processed <i>9/22/2019</i>	Specimens Saved <i>Subsample archived in ABC until Jan 2022</i>	

B2
134

Total:
134

Wisconsin Department of Natural Resources

ABL SampleNum: 20180920-15-02

Taxonomist: Dimick, Jeffrey

Waterbody: Ahnapee River
SWIMS Database Key: 168775393

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Taxa	Life Stage	Benthic Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Baetis brunneicollis</i>	L	III	3	Klob 2016		
<i>B. flavistriga</i> species complex	L	I	1	"		
<i>Ctenis latipennis</i>	L	I	1	"		
<i>Stenocranus</i>	L	III	8	"		
<i>Maccaffortium vicarium</i>	L	I	6	"		
<i>Calopteryx maculata</i>	L	II	2	West May 1996		
<i>Helicopsyche borealis</i>	L	III	3	Hils 1995		
<i>Cheumatopsyche</i>	L	III	18	"		
<i>Ceratopsyche glossanae</i>	L	II	12	Schmitt 1986		
<i>Hydropsyche betteni</i>	L	III	4	"		
<i>Leptoceridae</i>	L	I	1	Hils 1995	imm	N
<i>Mystacides</i>	L	II	2	"		
<i>Chimarra alternata</i>	L	II	2	Hils 1982		
<i>Neureclipsis</i>	L	I	1	Hils 1985		
<i>Dubicaphia quadrimaculata</i>	A	III	8	Hils Schm 1992		
<i>Optioservus</i>	L	III	10	"	imm	N
<i>O. fastidiosus</i> L, 12 A, 1	L, A	III	18	"		
<i>Gyrinus bifarius</i>	A	I	1	Hils 1992		
<i>Simulium vittatum</i> species complex 08110217	L	I	1	Adl et al 2004		
<i>Antocha</i>	L	I	1	Hils 1995		
<i>Dicranota</i>	L	II	2	"		
<i>Tritenia</i>	P	I	1	Ferr et al 2008		N
<i>Gammarus pseudolimnaceus</i>	A	III	4	Hils 1972		
<i>Caerodonta intermedia</i>	A	II	15	Will 1972		
<i>Dugesidae</i>	A	III	3	Thorp Reg 2016		
<i>Tubificidae</i> (without hairs)	A	II	2	Klemm 1985		
<i>Physa</i>	A	I	1	Thorp Reg 2016		
<i>Diamesa</i>	L	I	1	Saeth And 2013		
<i>Meropelopia</i>	L	I	1	Cran Epl 2013		
<i>Eukiefferiella</i> (benthic/gammarid)	L	III	3	And + 3 2013	dam	
<i>Parakiefferiella</i>	L	I	1	"		
<i>Tritenia bavarica</i> group	L	I	5	Bode 1983		
<i>Paratendipes</i>	L	I	1	Epl et al 2013		
<i>Rheotanytarsus</i>	L	II	2	"		

23 taxa, TVAL ≤ 2.0