

Instructions: Bold fields must be completed.

Station Summary						
Waterbody Name AHNAPEE RIVER			Waterbody ID Code 94800		Sample ID (YYYYMMDD-CY-FD) 201610071506	
Sampling Location					Database Key 134658314	
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 STREAMS		
Sampling Device						
<input checked="" type="checkbox"/> 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) 2	Estimated Area Sampled (m <sup>2</sup> ) 3.3		Number of Samples in Composite 1		Replicate No. _____ of _____	
Reason For Sampling						
<input type="checkbox"/> Least Impacted Reference <input type="checkbox"/> Baseline <input type="checkbox"/> Impact / Treatment Site <input type="checkbox"/> Control Site <input checked="" type="checkbox"/> Trend <input type="checkbox"/> Other: _____						
Water Temp. (C) 14.8	D.O. (mg/l) 7.5	D.O. (% sat.) 74.1	pH (su) 7.6	Conductivity (umhos/cm) 749		Transparency (cm)
Water Color <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Turbid <input 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) 0.4		Average Stream Width of reach (m) 15		
Composition of Substrate Sampled (Percent):						
Bedrock: _____		Boulders (basketball or larger): 10	Rubble (tennisball to basketball): 40		Gravel (ladybug to tennisball): 40	
Sand: _____		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 (%) 30			

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

Comments

Special Instructions for Laboratory

**For Lab Use Only**

Sample Sorter <i>Andrew Kohlmann</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>27%</i>
Date Processed <i>5/8/17</i>	Specimens Saved <i>Subsample archived in ABL until Nov 2020</i>	

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Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Baetis flavistriga</i> Species Complex	L	1	1	Kluhertanz 2016		
<i>Caenis</i>	L	1	1	"	imm	N
<i>C. latipennis</i>	L	11	3	"		
<i>C. punctata</i>	L	1	1	"		
<i>Stenacron interpunctatum</i>	L	-	5	"		
1/2 <i>Maccaffertium vicarium</i>	L	11	2	"		
<i>Cheumatopsyche</i>	L	11	2	Hilsenhoff 1995		
<i>Hydropsyche betteni</i>	L	11	2	Schm. Hils. 1986		
<i>Ceratopsyche</i>	L	1	1	Hilsenhoff 1995	dam	N
<i>C. glossanae</i>	L	11	3	Schm. Hils. 1986		
2/3 <i>Lepidostoma</i>	L	1	1	Hilsenhoff 1995		
<i>Mystacides</i>	L	1	1	"	imm	N
<i>M. sepulchralis</i>	L	11	2	Bright 2013		
<i>Chimarra alternata</i>	L	1	1	Hilsenhoff 1992		
3/4 <i>Goera stylata</i>	L	1	1	Hilsenhoff 1995		
<i>Dubiraphia</i>	L	1	1	Hils. Schm. 1992		
<i>Optiosevus</i>	L	x-1111	14	"	imm	N
<i>O. fastiditus</i>	L	0	20	"		
<i>Stenelmis</i>	L	1	1	"		N
<i>S. crenata</i>	A	1	1	"		
<i>Haleplus</i>	L	1	1	Hilsenhoff 1995		
<i>Simulium vittatum</i> Species Complex <span style="border: 1px solid red; padding: 2px;">08110217</span>	L	11	2	Adler et al 2004		
<i>Gammarus pseudomnais</i>	A	x-111	18	Holinger 1972		
<i>Caecobea intermedia</i>	A	0-11	28	Williams 1972		
<i>Metagynophora</i>	A	1	1	Brin. Geld. 1991		
<i>Naidinae</i>	A	<del>111</del> 1	1	"		
<i>Tubificinae</i> w/o capilliform chaetae	A	11	2	Klemm 1985		Y
<i>Tubificinae</i> w/ capilliform chaetae	A	1	1	"		Y
<i>Natarsia</i> sp. A	L	1	1	Epler 2001		
<i>Orthocladus</i> ( <i>Orthocladus</i> )	L	1	1	Anderson 2013		
<i>Cricotopus</i> ( <i>Cricotopus</i> ) <i>brinatus</i> group	L	1	1	"		
<i>Ciadotanytarsus</i>	L	1	1	Epler et al 2013		
<i>Micropsectra</i>	L	11	2	"		
<i>Paratanytarsus</i>	L	1	1	"	mt indet	N
P. sp. A	L	11	2	Hilsenhoff unpubl.		
P. sp. B	L	1	1	"		

3 taxa, TVAL ≤ 2.0

$$4 < (0.1 \times 129)$$

