

Instructions: **Bold** fields must be completed.

Station Summary			
Waterbody Name WAUPEE CREEK		Waterbody ID Code 459600	Sample ID (YYYYMMDD-CY-FD) 20180927-43-03
Sampling Location 10m. D) LTH W			Database Key 168363532
SWIMS Station ID 10016432		SWIMS Station Name WAUPEE CREEK - 10 M US CTY HWY W (159)	
Latitude	Longitude	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
Basin (WMU) GREEN BAY		Watershed Name LOWER NORTH BRANCH OCONTO RIVER	County OCONTO

Sample and Site Descriptors	
Sample Collector (Last Name, First) ANDREW HUDAK	Project Name EAST DISTRICT NC STREAM STRATIFIED SITES 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

Total Sampling Time (min) 3	Estimated Area Sampled (m ²) 6	Number of Samples in Composite 1	Replicate No. <u>1</u> of <u>1</u>
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Reason For Sampling

Least Impacted Reference
 Baseline
 Impact / Treatment Site
 Control Site
 Trend
 Other: Natural Community

Water Temp. (C) 11.1	D.O. (mg/l) 9.95	D.O. (% sat.) 90.1	pH (su) 7.67	Conductivity (umhos/cm) 250.2	Transparency (cm) 7122
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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)
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Measured Velocity circle units m/s or f/s	Average Stream Depth of reach (m) .4	Average Stream Width of reach (m) 4
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 5 Gravel (ladybug to tennisball): _____
 Sand: 60 Clay: _____ Silt/Muck: 15 Overhanging Vegetation: _____
 Aquatic Macrophytes: 10 Leaf Snags: _____ Coarse Woody Debris: 10 Other (): _____
 Embeddedness of Substrate at Sample Site (%) 80 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
Biological				Chemical			
Algae: - Diatoms / Periphyton		N	N	Chlorine		N	N
- Filamentous Algae		N	N	Dissolved Oxygen		U	U
- Planktonic Algae		N	N	Nutrients (P, N...)		U	U
Iron Bacteria		N		Toxics: - Inorganic (Metals)		N	N
Macrophytes		U	U	- Organic (PCBs, pesticides...)		N	N
Slimes		N	N	Other - Specify:			
Other - Specify:				Sources of Stream Impacts			
				Bank Erosion		N	N
				Point Source - Specify:		N	N
Physical				Pasturing of Livestock		N	N
Bank Erosion		N	N	Runoff: - Barnyard		N	N
Channelization: - Upstream		N	N	- Construction		N	N
- Downstream		N	N	- Cropland		N	N
Hydraulic Scour / Channel Incision		N	N	- Urban		N	N
Impoundment: - Upstream		N	N	Septic Systems		N	U
- Downstream		N	N	Tile Drainage - Organic Soils		N	N
Low Flow		N	N	- Mineral Soils		N	N
Sedimentation		U	U	Springs		U	U
Sludge		N	N	Tributary(s)		U	U
Thermal		U	U	Wetland		U	U
Turbidity		N	N	Other - Specify:			
Other - Specify: <i>up stream Lake</i>		U	U				

Comments

Special Instructions for Laboratory

For Lab Use Only		
Sample Sorter <i>Kyle Wilson</i>	Taxonomist <i>Dimick Jeffrey</i>	Estimated Percent of Sample Sorted <i>13%</i>
Date Processed <i>7/22/18</i>	Specimens Saved <i>268</i>	

*C1 = 106
 D3 = 162*

268

Subsample archived in ABC mtr 1 Oct 2027

Wisconsin Department of Natural Resources
 ABL SampleNum: 20180927-43-03
 Taxonomist: Dimick, Jeffrey

Waterbody: Waupsee Creek
 SWIMS Database Key: 168363532

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Taeniopteryx	L II		2	Hils 1995	imm	
Acerpenna maddamoyhi	L III		3	Kubo 2016		
A. pygmaea	L I		1	"		
Labidobates frondalis	L II		2	"		
Maccabarium	L II		2	"	imm	Y
M. vicarium	L xII		13	"		
Leptophlebia	L Bowl		63	"	imm	
Calopteryx	L III		4	West May 1996	imm	N
C. maculata	L II		2	"		
Hagenius brevistylus	L I		1	Need et al 2000		
Chamaetopseche	L Bowl		48	Hils 1995		
Hydropsyche betteni	L II		7	Schm Hils 1996		
Oxyethira	L I		1	Hils 1995		
Limnophilidae	L I		1	"	imm	
Neurodopsis	L II		2	"		
Ancyronyx variegatus	L I		1	Hils Schm 1992		
Dibriophra	L AI		3	"		
Macronychus glabratus	L I		1	"		
Optioservus	L I		1	"	imm	
Stenelmis	L -Hil		11	"		N
S. fuscata	A I		1	"		
Probezzia	L I		1	Hils 1995		
Bezzia/Palpaomyia	L I		5	"		
Nemeroptromia	L I		6	Coat Mer 2008		
Simulium	L III		3	Adl et al 2004	dam/imm	N
S. venustum species complex	L II		7	"		
Dicranota	L I		1	Hils 1995		
Cricotopus (Cricotopus)	P II		2	Coat et al 1996		N
Mermistidae	A I		1	Theop Reg 2016	imm	
Endopteroidea	A I		1	"		
Naidinae	A I		1	Birnfeld 1991		
Tubificinae (without hairs)	A -III		9	Klemm 1985		
Tubificinae (with hairs)	A II		7	"		
Pisidium	A IV		3	Mackie 2007		
Sphaerium	A II		2	"		
Spizella Chironomidae	L I					
Tanyptera	L III		3	Cranston 2013		

