

Instructions: Bold fields must be completed.

Station Summary			
Waterbody Name LITTLE CREEK		Waterbody ID Code 280700	Sample ID (YYYYMMDD-CY-FD) 20171012-69-01
Sampling Location			Database Key 149424590
SWIMS Station ID 10048065		SWIMS Station Name LITTLE CREEK AT CATTLE CROSSING 3200M US COUNTY O	
Latitude 44.5021164	Longitude -88.851054	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
Basin (WMU) WOLF RIVER		Watershed Name LOWER LITTLE WOLF RIVER	County WAUPACA

Sample and Site Descriptors	
Sample Collector (Last Name, First) DAVID A BOLHA, XXXXXXXXXXXXXXXXXXXX	Project Name BEAR LAKE TWA 2017

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) 6	Estimated Area Sampled (m ²) 2.0	Number of Samples in Composite 1	Replicate No. _____ of _____
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Reason For Sampling

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

Water Temp. (°F) 54.1°F	D.O. (mg/l) 2.3	D.O. (%sat.) 21.3	pH (su) 6.8	Conductivity (umhos/cm) 491.1	Transparency (cm) 120
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Water Color <input type="checkbox"/> Clear <input type="checkbox"/> Turbid <input checked="" type="checkbox"/> Stained	Estimated Stream Velocity (m/s) <input checked="" type="checkbox"/> Slow (< 0.15 m/s) <input 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) 0.2	Average Stream Width of reach (m) 4.0
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): _____ Gravel (ladybug to tennisball): 30

Sand: 30 Clay: _____ Silt/Muck: _____ Overhanging Vegetation: 20

Aquatic Macrophytes: _____ Leaf Snags: 20 Coarse Woody Debris: _____ Other (_____): _____

Embeddedness of Substrate at Sample Site (%) 20 Canopy Cover at Sample Site (%) 0

Little habitat, few bugs collected

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	Watershed	Factors that may be influencing Water Resource Integrity	Local	Watershed
Biological			Chemical		
Algae: - Diatoms / Periphyton	N	N	Chlorine	N	N
- Filamentous Algae	N	N	Dissolved Oxygen	PH	PH
- Planktonic Algae	N	N	Nutrients (P, N...)	PH	PH
Iron Bacteria	N	N	Toxics: - Inorganic (Metals)	N	N
Macrophytes	N	N	- Organic (PCBs, pesticides...)	N	N
Slimes	N	N	Other - Specify:		
Other - Specify:			Sources of Stream Impacts		
			Bank Erosion	PL	PL
			Point Source - Specify:	N	N
Physical			Pasturing of Livestock	N	PL
Bank Erosion	PL	PL	Runoff: - Barnyard	N	PL
Channelization: - Upstream	N	N	- Construction	N	N
- Downstream	N	N	- Cropland	N	PL
Hydraulic Scour / Channel Incision	N	N	- Urban	N	N N
Impoundment: - Upstream	N	N	Septic Systems	N	N
- Downstream	N	N	Tile Drainage - Organic Soils	N	PL
Low Flow	PL	PH	- Mineral Soils	N	PL
Sedimentation	PH	PH	Springs	PL	PL
Sludge	N	N	Tributary(s)	PH	PL
Thermal	N	N	Wetland	PH	PH
Turbidity	N	N	Other - Specify:		
Other - Specify:					

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter <i>Kayla Witek</i>	Taxonomist <i>Dimick Jeffrey</i>	Estimated Percent of Sample Sorted <i>60%</i>
Date Processed <i>3/14/18</i>	Specimens Saved <i>subsample archived in ABZ until Jun 2021</i>	

D3-17 C3²=16 (59) B1=23
 D1=11 C1=11 B3=12
 E2=15 C2=14 E1=6 126

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Culex</i>	L	1	6	Hilgenhoff 1985		
<i>Ceratopogon arcticoidithorax</i>	L	III	6	"		
Erioptera	L	III	3	Geithaus 2002		
<i>Idolus</i>	L	I	1	Hilgenhoff 1985		
<i>Pedecia</i>	L	I	1	"		
<i>Belostoma flumineum</i>	A	I	1	Hilgenhoff 1984a		
Enchytraeidae	A	I	1	Bain, Bank 2016		
Naididae	A	II	2	Ersev, Aust. 2002		
tubificoid Naididae w/o hair chaetae	A	II	7	Ersev et al 2008		Y
tubificoid Naididae w/ hair chaetae	A	I	1	"		Y
<i>Delobdella stagnalis</i>	A	I	1	Klemm 1985		
<i>Pisidium</i>	A	III	4	Burch 1972		
Ceratopogonidae	L	II	27	Grant, Merr 2008	dam	Y/N
Dasyhelea	L	X	10	Hilgenhoff 1985		
Tanypterinae 0827000	L	I	1	Cranston 2013	imm	N
<i>Conchapelopia</i>	L	II	2	Cran, Epler 2013		
<i>Natarsia</i> sp A	L	I	1	Epler 2001		
<i>Psectrotanyptus</i>	L	II	2	Cran, Epler 2013		
<i>Zarelimyia</i>	L	III	3	"		
<i>Abolobosmyia (Karelia) peleenis</i>	L	I	1	Epler 2001		
Orthocladiinae 0830000	L	II	2	Cranston 2013	imm	n=1, Y
<i>Corynoneura</i>	L	X-1	16	Anderson 2013		
<i>Eukiefferiella claripennis</i> group	L	I	1	"		
Limnophyes	L	III	3	"		
Chironominae 0833000	L	I	5	Cranston 2013	mt indet	N
<i>Chironomus</i>	L	I	25	Epler et al 2013		
<i>Cryptochironomus cryptotendipes</i>	L	I	1	"		
<i>Micronsectra</i>	L	X-1	11	"		
<i>Paratendipes</i>	L	II	2	"		
<i>Polypedium</i>	L	I	1	"	mt indet	N
<i>P. (Polypedium) frigus</i>	L	I	1	Bolton 2012		
<i>P. (P.) illinoense</i> group	L	I	1	"		
<i>P. (Triopdura) scaldenum</i> group	L	III	4	"		
<i>Stictochironomus</i>	L	I	5	Epler et al 2013		