

Instructions: Bold fields must be completed.

Station Summary			
Waterbody Name UNNAMED		Waterbody ID Code 5018179	Sample ID (YYYYMMDD-CY-FD) 20171011-69-02
Sampling Location		Database Key 149424602	
SWIMS Station ID 10048064		SWIMS Station Name UNNAMED TRIB (WBIC 5018179) TO LITTLE WOLF RIVER US COUNTY O	
Latitude 44.4875934	Longitude -88.8792041	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, JEREMY MAASS ERIC	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) 2	Estimated Area Sampled (m ²) 1.3	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) 52.9°F	D.O. (mg/l) 7.3	D.O. (%sat.) 67.0	pH (su) 7.6	Conductivity (umhos/cm) 630.6	Transparency (cm) 120
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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) 0.1	Average Stream Width of reach (m) 0.7
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 80 Gravel (ladybug to tennisball): 10
 Sand: 10 Clay: _____ Silt/Muck: _____ Overhanging Vegetation: _____
 Aquatic Macrophytes: _____ Leaf Snags: _____ Coarse Woody Debris: _____ Other (____): _____

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

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		PL	N	Chlorine		N	N
- Filamentous Algae		N	N	Dissolved Oxygen		N	N
- Planktonic Algae		N	N	Nutrients (P, N...)		PL	PL
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		PH	PH
				Point Source - Specify:		N	N
Physical				Pasturing of Livestock		N	N
Bank Erosion		PH	PH	Runoff: - Barnyard		N	N
Channelization: - Upstream		N	N	- Construction		N	N
- Downstream		U	U	- Cropland		PL	PL
Hydraulic Scour / Channel Incision		N	N	- Urban		N	N
Impoundment: - Upstream		N	N	Septic Systems		N	N
- Downstream		N	N	Tile Drainage - Organic Soils		N	PL
Low Flow		PL	PL	- Mineral Soils		N	PL
Sedimentation		PH	PH	Springs		PL	PL
Sludge		N	N	Tributary(s)		N	N
Thermal		N	N	Wetland		N	N
Turbidity		N	N	Other - Specify:			
Other - Specify:							

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter Cadie Olson	Taxonomist Dimick, Jeffrey	Estimated Percent of Sample Sorted 7%
Date Processed 3/12/18	Specimens Saved Subsample archived in MBL lab (1 Jun 2021)	

C1:370

285
85

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Aesopomyx designatus</i>	L	1	1	Hilsenhoff 1995		
<i>Limnophilus</i>	L	x	10	"		
<i>Sialis</i>	L	1	1	"		
<i>Ditropis</i>	L	-III	8	Hils., Schm. 1992	imm	N
<i>D. fastidius</i> L.1 . A.1	L/A	"	2	"		
<i>Neoplasma</i>	L	1	1	Cont. Merr. 2008		
<i>Dixa</i>	L	1	1	Hilsenhoff 1995		
<i>Thienemannella</i>	P	1	1	Ferretal. 2008		
<i>Gammarus pseudolimnoides</i>	A	BBBB1	221	Melinger 1972		
<i>Hydrobates</i>	A	1	1	Pluchino 1964		
<i>Entomobryomorpha</i>	A	1	1	Christ, Snider 2008		
<i>subfossil Naididae with papilliform chaeta</i>	A	1	1	Ersek et al 2008	post frag	
<i>Physa</i>	A	x1	11	Rogers 2016		
<i>Pisidium</i>	A	"	2	Borch 1972		
split A3 Chironomidae	L	III-III				
<i>Tanytarsinae</i> 08270000	L	1	1	Cranston 2013	not indet	N
<i>Zarelimyia</i>	L	III	3	Cranst, Epler 2013		
<i>Corynoneura</i>	L	L	1	Ander.+3 2013		
<i>Limnophyes</i>	L	1	1	"		
<i>Parametriocnemus</i>	L	1	1	"		
<i>Tretania bavarica</i> group	L	-	5	Borde 1983		
<i>Orthocladius</i>	L	1	1	Ander.+3 2013	imm	
<i>Chironominae</i> 08330000	L	III	4	Cranston 2013	not indet	N
<i>Microsectra</i>	L	BB-III	119	Epler et al 2013		
<i>Paratendipes</i>	L	II	2	"		