

Wadeable Macroinvertebrate Field Data Report

Form 3200-081 (R 8/14)

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Instructions: Bold fields must be completed.

Station Summary

Waterbody Name LITTLE WOLF RIVER		Waterbody ID Code 272400	Sample ID (YYYYMMDD-CY-FD) 20221018- ⁸⁹ -03
Sampling Location			Database Key 323921414
SWIMS Station ID 10015677		SWIMS Station Name LITTLE WOLF RIVER - CTH J	
Latitude	Longitude	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
Basin (WMU) WOLF RIVER		Watershed Name UPPER LITTLE WOLF RIVER	County WAUPACA

Sample and Site Descriptors

Sample Collector (Last Name, First) DAVID BOLHA	Project Name UPPER LITTLE WOLF RIVER TWA 2022
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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) 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: _____

Water Temp. (C) 4.5	D.O. (mg/l) 13.2	D.O. (% sat.) 100	pH (su) 8.25	Conductivity (umhos/cm) 466	Transparency (cm) 120
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Water Color 1049	Estimated Stream Velocity (m/s) ☒ Moderate (0.15 m/s - 0.5 m/s) ☐ Slow (< 0.15 m/s) ☐ Fast (> 0.5 m/s)
☒ Clear ☐ Turbid ☐ Stained	

Measured Velocity circle units m/s or f/s	Average Stream Depth of reach (m) 0.4	Average Stream Width of reach (m) 11.0
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Composition of Substrate Sampled (Percent):

Bedrock: _____	Boulders (basketball or larger): _____	Rubble (tennisball to basketball): 20	Gravel (ladybug to tennisball): 80
Sand: _____	Clay: _____	Silt/Muck: _____	Overhanging Vegetation: _____
Aquatic Macrophytes: _____	Leaf Snags: _____	Coarse Woody Debris: _____	Other (____): _____

Embeddedness of Substrate at Sample Site (%) 20	Canopy Cover at Sample Site (%) 0
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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	N	N
- Planktonic Algae	N	N	Nutrients (P, N...)	N	N
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	N	PL
			Point Source - Specify:	N	N
			Pasturing of Livestock	N	PL
			Runoff: - Barnyard	N	PL
			- Construction	N	N
			- Cropland	PL	PL
			- Urban	N	N
			Septic Systems	N	N
			Tile Drainage - Organic Soils	N	N
			- Mineral Soils	N	N
			Springs	N	N
			Tributary(s)	PL	PL
			Wetland	N	N
			Other - Specify:		
Physical					
Bank Erosion	N	PL			
Channelization: - Upstream	N	N			
- Downstream	N	N			
Hydraulic Scour / Channel Incision	N	N			
Impoundment: - Upstream	N	N			
- Downstream	PL	PL			
Low Flow	N	N			
Sedimentation	PL	PL			
Sludge	N	N			
Thermal	N	N			
Turbidity	N	N			
Other - Specify:					

Comments

Special Instructions for Laboratory

C3 B3
92-29 93-52
91-24 94-23 = 298
94-34 91-27
93-50 92-59

For Lab Use Only

Sample Sorter Mary Jay Relagio	Taxonomist Dimock, Jeffery	Estimated Percent of Sample Sorted 12.5%
Date Processed 2/28/2023	Specimens Saved Subsample archived in ABC mtd 1 Jun 2026	

Wisconsin Department of Natural Resources

ABL SampleNum: 20221018-69-03

Taxonomist: Dimick, Jeffrey

Waterbody: Little Wolf River

SWIMS Database Key: 323921414

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Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Acentrella turbida</i>	L	1	1	Klich 2016		
<i>Baetis flavistriga</i> species complex	L	11	2	"		
<i>B. tricaudatus</i>	L	1	1	"		
<i>Ephemerella</i>	L	x	15	MCB 2019	imm	N
<i>E. invaria</i>	L	1111	8	Kubertanz 2016		
<i>Eurylophella</i>	L	1	1	MCB 2019	imm	
<i>Teloganopsis deficiens</i>	L	1	5	"		
<i>Maccaffertium</i>	L	1	1	Kubertanz 2016	imm	N
<i>M. medipunctatum</i>	L	1	1	"		
<i>M. modestum</i>	L	1	1	"		
<i>M. vicarium</i>	L	11	2	"		
<i>Protophila</i>	L	11	2	MCB 2019		
<i>Helicopsyche borealis</i>	L	111	3	Hilsenhoff 1995		
<i>Ceratopsyche morsa morsa</i> form	L	11111	9	Schmitt 1986		
<i>C. sparna</i>	L	1111	4	"		
<i>C. walkeri</i>	L	11	3	"		
<i>Chaumatopsyche</i>	L	0-11111111	28	MCB 2019		
<i>Leuctra pictipes</i>	L	11	7	Hilsenhoff 1995		
<i>Lepidostoma</i>	L	111	3	MCB 2019		
<i>Setodes</i>	L	x1	11	"	imm	
<i>Psychomyia flavida</i>	L	x	15	Hilsenhoff 1995		
<i>Opirogenus</i>	L	01111	24	MCB 2019	imm	N
<i>O. trivittatus</i>	L	580-1	106	Hilsenhoff 1992		
<i>Stenelmis</i>	L	11	2	MCB 2019		
<i>Psephenus hericki</i>	L	1	1	Hilsenhoff 1995		
<i>Orthocladus (orthocladus)</i>	P	1	1	Coff et al 1986		N
<i>Hemodromia</i>	L	x111	13	MCB 2019		
<i>Gammarus pseudolimnaeus</i>	A	1	1	Holsinger 1972		
<i>Ferissia rivularis</i>	A	14	7	Thorp 2016		
<i>Naidus</i>	A	1111	9	Kahn 1999		
<i>Prostoma</i>	A	1	1	Thorp 2016		
<i>Split A2 Chironomidae</i>	L	x 1111				
<i>Cladonia discoloripes</i> group	L	11	2	Bede 1983		
<i>Cladonanthus</i>	L	1	1	Andr et al 2013		
<i>Microtentacles pedellus</i> group	L	x4x	15	"		
<i>Rhyacanthus</i>	L	11	2	"		

ABL SampleNum: 20221018-69-03

Waterbody: **Little Wolf River**
SWIMS Database Key: **323921414**

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