

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) 20221025-69-04
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Sampling Location	Database Key 323921418
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SWIMS Station ID 10015387	SWIMS Station Name LITTLE WOLF RIVER - NESS RD
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Latitude	Longitude	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
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Basin (WMU) WOLF RIVER	Watershed Name UPPER LITTLE WOLF RIVER	County WAUPACA
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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 (m²) 2	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) 11.5	D.O. (mg/l) 11.4	D.O. (% sat.) 107.8	pH (su) 8.2	Conductivity (umhos/cm) 437	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)
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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) 10
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Composition of Substrate Sampled (Percent):

Bedrock: _____	Boulders (basketball or larger): 10	Rubble (tennisball to basketball): 50	Gravel (ladybug to tennisball): 40
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Sand: _____	Clay: _____	Silt/Muck: _____	Overhanging Vegetation: _____
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Aquatic Macrophytes: _____	Leaf Snags: _____	Coarse Woody Debris: _____	Other (): _____
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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	PL	PL	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	N	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	N	PL			
Low Flow	N	N			
Sedimentation	N	PL			
Sludge	N	N			
Thermal	N	N			
Turbidity	N	N			
Other - Specify:					

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter Katherine McClure	Taxonomist Dimick, Jeffrey	Estimated Percent of Sample Sorted 15.6%
Date Processed 3/12/23	Specimens Saved Subsample archived in ABL until Jun 2026	

A494: 46
A492: 22
A493: 41
A491: 24
C292: 12
C293: 17
C294: 17
C291: 35
A191: 23
A193: 16
A194:
A192:

253

Wisconsin Department of Natural Resources

ABL SampleNum: 20221025-69-04

Taxonomist: Dimick, Jeffrey

Waterbody: Little Wolf River

SWIMS Database Key: 323921418

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Taxa	Life Stage	Benthic Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Brachytracheatus</i>	L	x	10	Kluebertanz 2016		
<i>Ephemerella</i>	L	iii	3	MCB 2019	imm	N
<i>E. invarra</i>	L	i	1	Kluebertanz 2016		
<i>Tetragonopsis deficiens</i>	L	x-iii	19	MCB 2019		
<i>Maccaffertium</i>	L	x-iii	14	Kluebertanz 2016	imm	N
<i>M. modestum</i>	L	i	6	"		
<i>M. vicarium</i>	L	i	1	"		
<i>Allocapnia</i>	L	iii	3	MCB 2019		
<i>Perlodidae</i>	L	i	1	"	imm	
<i>Taeniopteryx burksi</i>	L	iii	4	Fall Stew 1980		
<i>Microsema vestrum</i>	L	ii	2	Hilsenhoff 1995		
<i>Glossosomatidae</i>	P	ii	2	MCB 2019		N
<i>Glossosoma</i>	L	iii	3	"	imm	N
<i>G. intermedium</i>	L	ii	8	Wyner Morse 2000		
<i>Procladius</i>	L	i	1	MCB 2019		
<i>Helicopsyche borealis</i>	L	i	5	Hilsenhoff 1995		
<i>Glossosoma</i>	P	i		Wyner Morse 2000		N
<i>Ceratopsyche branta</i>	L	ii	2	Schum Hils 1986		
<i>C. sparna</i>	L	x-ii	17	"		
<i>C. walkeri</i>	L	ii	7	"		
<i>Chumatopsyche</i>	L	i	5	MCB 2019		
<i>Leuctrocheila pictipes</i>	L	i	1	Hilsenhoff 1995		
<i>Lepidostoma</i>	L	iii	8	MCB 2019		
<i>Setodes</i>	L	ii	7	"	imm	
<i>Limnephilidae</i>	L	i	1	"	imm	
<i>Neophylax</i>	L	ii	2	"	imm	
<i>Psychomyia flavida</i>	L	i	1	Hilsenhoff 1995		
<i>Optioservus</i>	L	x-iii	18	MCB 2019	imm	N
<i>O. trivittatus</i>	L, A	2627 A, B	35	Hilsenhoff 1995		
<i>Atherix variegata</i>	L	x-ii	17	Hilsenhoff 1995		
<i>Pothostoma</i>	P	i	1	MCB 2019		N
<i>Orthocladus (Orthocladus)</i>	P	i	1	Wieder 1986		N
<i>Hemerodromia</i>	L	iii	8	MCB 2019		
<i>Simulium</i>	P	ii	2	"		N
<i>S. tuberosum</i> species complex	L	i	5	Adler et al 2004		
<i>Dicranota</i>	L	i	1	MCB 2019		
<i>Tipula</i>	L	i	1	"		

Taxonomist: Dimick, Jeffrey

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