

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name LITTLE WOLF RIVER	Waterbody ID Code 272400	Sample ID (YYYYMMDD-CY-FD) 20221018-69-02
Sampling Location		Database Key 323921422

SWIMS Station ID 10015386	SWIMS Station Name LITTLE WOLF RIVER - WOLF RIVER RD. HABITAT WORK		
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
--	--

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 _____
--------------------------------	---	-------------------------------------	------------------------------

Reason For Sampling

☐ Least Impacted Reference	☒ Baseline	☐ Impact / Treatment Site
☐ Control Site	☐ Trend	☐ Other: _____

Water Temp. (C) 4.4	D.O. (mg/l) 13.0	D.O. (% sat.) 102.8	pH (su) 8.0	Conductivity (umhos/cm) 467.7	Transparency (cm) 120
------------------------	---------------------	------------------------	----------------	----------------------------------	--------------------------

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) 0.5	Average Stream Width of reach (m) 10
---	--	---

Composition of Substrate Sampled (Percent):

Bedrock: _____	Boulders (basketball or larger): _____	Rubble (tennisball to basketball): 60	Gravel (ladybug to tennisball): 40
Sand: _____	Clay: _____	Silt/Muck: _____	Overhanging Vegetation: _____
Aquatic Macrophytes: _____	Leaf Snags: _____	Coarse Woody Debris: _____	Other (____): _____

Embeddedness of Substrate at Sample Site (%) 10	Canopy Cover at Sample Site (%) 100
---	-------------------------------------

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	N
			Point Source - Specify:	N	N
			Pasturing of Livestock	PL	PL
			Runoff: - Barnyard	PL	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)	N	PL
			Wetland	N	N
			Other - Specify:		
Physical					
Bank Erosion	N	N			
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

For Lab Use Only

Sample Sorter Selina Walters	Taxonomist Dimick, Jeffray	Estimated Percent of Sample Sorted 14%
Date Processed 2/26/23	Specimens Saved 283 subsample archived in dBL until Jun 2026	

A3
Q3:31
Q1:19
Q4:29
Q2:31
C3
Q2:23
Q1:34
Q4:55
Q3:26
D2
Q3:35

Taxa	Life Stage	Benthic Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetis bruneicollis	L	1	1	Kubertanz 2016		
Baetisca	L	1	1	MCB 2019	imm	
Ephemerellidae	L	1	1	"	imm	N
Ephemerella	L	xiii	13	"	imm	N
E. invaria	L	11	2	Kubertanz 2016		
Teloganopsis deficiens	L	0111	23	MCB 2019		
Ephemerella	L	1	5	"	imm	
Maccaffertium	L	-111	8	Kubertanz 2016	imm	N
M. medipunctatum	L	1	1	"		
M. modestum	L	x1111	14	"		
M. vicarium	L	111	3	"		
Tricorythodes	L	1	1	MCB 2019		
Leptophlebia	L	1	1	"	imm	
Paragnetina medra	L	1111	4	Hilsenhoff 1995		
Taeniopteryx	L	1111	4	MCB 2019	imm	
Brachycentrus numerosus	L	11	2	Hilsenhoff 1995		
Microsema rusticum	L	1	1	"		
Helopsyche borealis	L	11	2	Hilsenhoff 1995		
Ceratopsyche brenta	L	x-1111	19	Schm Hils 1986		
C. sparna	L	-1111	9	"		
Cheumatopsyche	L	Bx-1	55	MCB 2019		
Leuctrichia proutii	L	11	2	Hilsenhoff 1995		
Ceratocia annulicornis	L	1	1	Rosh 1976		
Psychomyia fluvialis	L	11	2	Hilsenhoff 1995		
Neophylax	L	1	1	MCB 2019		
Liposia affinis	A	1	1	Hilsenhoff 1994		
Ophiosentis	L	011	22	MCB 2019	imm	N
O. fastidius divittatus	L A	0	30	Hils Schm 1992		
Nigronia serricornis	L	11	2	Nemzgs 1966		
Atherix variegata	L	-1	6	Hilsenhoff 1995		
Diamasa	P	1	1	MCB 2019		
Nemotopoma	L	x-1	16	"		
Neoplasia	L	11	2	"		
Antocha	L	1	1	"		
Dicranota	L	1	1	"		
Gammarus pseudolimnaeus	A	11	2	Holsinger 1972		
Naididae	A	111	4	Kahn Brin 1999		

[illegible]