

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name LITTLE WOLF RIVER	Waterbody ID Code 272400	Sample ID (YYYYMMDD-CY-FD) 20221025-69-02
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Sampling Location	Database Key 323921474
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SWIMS Station ID 10015385	SWIMS Station Name LITTLE WOLF RIVER - ISSACSON BRIDGE (WOLF RIVER 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) 4	Estimated Area Sampled (m²) 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: _____

Water Temp. (C) 11.5	D.O. (mg/l) 11.1	D.O. (% sat.) 105.1	pH (su) 8.3	Conductivity (umhos/cm) 432.8	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) 0.3	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): 80 Gravel (ladybug to tennisball): 10

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 (%)** 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	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
Physical			Pasturing of Livestock	N	PL
Bank Erosion	N	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
Impoundment: - Upstream	N	N	Septic Systems	N	N
- Downstream	N	N	Tile Drainage - Organic Soils	N	N
Low Flow	N	N	- Mineral Soils	N	N
Sedimentation	PL	PL	Springs	N	N
Sludge	N	N	Tributary(s)	PL	PL
Thermal	N	N	Wetland	N	N
Turbidity	N	N	Other - Specify:		
Other - Specify:					

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter Undlin, Dylan	Taxonomist Dimick, Jeffrey	Estimated Percent of Sample Sorted 9.37%
Date Processed 3/11/23	Specimens Saved 300 subsample archived in ABL under Jan 2023	

D4]
71→29
91→36
93→59
92→
[51]
93→56
94→52
91→68
92→

Wisconsin Department of Natural Resources

ABL SampleNum: 20221025-69-02

Taxonomist: Dimick, Jeffrey

Waterbody: Little Wolf River

SWIMS Database Key: 323921474

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Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetidae	L	1	1	MCB 2019	dam	N
Baetis tricaudatus	L		9	Kubertanz 2016		
B. flavistriga species complex	L	1	1	"		
Ephemerellidae	L	11	2	MCB 2019	imm	N
Ephemerella	L		11	"	imm	N
E. invaria	L		4	Kubertanz 2016		
Tetoganopsis deficiens	L	x-	18	MCB 2019		
Mallagma	L	x	13	Kubertanz 2016	imm	N
M. modestum	L	-	7	"		
Paragnetina maura	L	11	2	Hilsenhoff 1985		
Isoperla	L	11	2	MCB 2019	imm	
Taeniopteryx burksi	L	1	1	Full Stew 1980		
Brachycentrus numentus	L	11	2	Hilsenhoff 1985		
Micrasema nistum	L	1	1	"		
Glossosoma	L	1	6	MCB 2019		
G. intermedium	L		5	Wymer-Morse 2000		
Protoparva	L		4	MCB 2019		
Helicopsyche borealis	L	1	5	Hilsenhoff 1985		
Ceratopsyche	L	11	2	"	imm	N
C. branta	L	x-	19	Schmidt 1986		
C. sparna	L		3	"		
C. walkeri	L	1	1	"		
Chumatopsyche	L	x-	21	MCB 2019		
Lepidostoma	L	x-	18	"		
Oecetis	L	1	1	"	imm	
Setodes	L		21	"	imm	
Neophylax	L	1	5	"	imm	
Nigronia serricornis	L	11	2	Namzig 1966		
Opius	L	0-	28	MCB 2019	imm	N
O. fastidius L. 6 A. 1	LA	-	7	Hilssch 1992		
O. trivittatus L. 20 A. 17	LA	8-	37	"		
Stenelmis orenata	A	11	2	"		
Atherix variegata	L	11	2	Hilsenhoff 1985		
Hemerodromia	L		4	MCB 2019		
Simulium tuberosum species complex	L	11	2	Adler et al 2011		
Antocha	L	1	2	MCB 2019		
Gammarus pseudolimnacus	A		3	Holsinger 1972		

Taxonomist: Dimick, Jeffrey

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