

**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 JACKSON CREEK	Waterbody ID Code 288400	Sample ID (YYYYMMDD-CY-FD) 20221025-69-03
Sampling Location		Database Key 323921402

SWIMS Station ID 693191	SWIMS Station Name JACKSON CREEK - CONFL W/ LITTLE WOLF RIVER		
Latitude N44.64555	Longitude W89.18565	Lat/Long Determination Method (circle) SWIMS SWDV <u>GPS</u>	Datum Used if using GPS <u>WGS84</u> 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) 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) 10.7	D.O. (mg/l) 10.7	D.O. (% sat.) 99.6	pH (su) 8.2	Conductivity (umhos/cm) 436	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) 0.5	Average Stream Width of reach (m) 3
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Composition of Substrate Sampled (Percent):

Bedrock: _____	Boulders (basketball or larger): _____	Rubble (tennisball to basketball): _____	Gravel (ladybug to tennisball): 70
Sand: 20	Clay: _____	Silt/Muck: _____	Overhanging Vegetation: _____
Aquatic Macrophytes: 10	Leaf Snags: _____	Coarse Woody Debris: _____	Other (): _____
Embeddedness of Substrate at Sample Site (%) 20		Canopy Cover at Sample Site (%) 70	

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	PL	PL	- Organic (PCBs, pesticides...)	N	N
Slimes	N	N	Other - Specify:		
Other - Specify:			Sources of Stream Impacts		
			Bank Erosion	PL	PL
			Point Source - Specify:	N	N
Physical			Pasturing of Livestock	N	N
Bank Erosion	PL	PL	Runoff: - Barnyard	N	N
Channelization: - Upstream	N	N	- Construction	N	N
- Downstream	N	N	- Cropland	N	N
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)	N	N
Thermal	N	N	Wetland	N	N
Turbidity	N	N	Other - Specify:		
Other - Specify:					

Comments

214 * 0.25 = 53.5

218.9 / 5

13
16

Special Instructions for Laboratory

D3 3q-6 A2 2q-5
1q-5 4q-6
4q-8 3q-6
2q-5 1q-12

ROW(1,3,4)A + 47 + 21 + 6

ROW(1-4)B + 9 + 6 + 16 + 34

ROW(1-4)C + 1q-22 2q-19 3q-12 4q-14

ROW(1,2,4)D

247

For Lab Use Only

Sample Sorter Nordstrom, Abigail	Taxonomist Dimick, Jeffrey	Estimated Percent of Sample Sorted 81.3%
Date Processed 3/11/2023	Specimens Saved 259 subsample archived in ABL until Jun 2024	

Wisconsin Department of Natural Resources

ABL SampleNum: 20221025-69-03

Taxonomist: Dimick, Jeffrey

Waterbody: Jackson Creek
SWIMS Database Key: 323921402

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Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetidae <i>Centropetiline</i>	L	1	1	MCB 2019	dam	Y
Ampetina	L	1	1	"	dam	
Baetis brunneicollis	L	11	2	Kubertanz 2016		
B. flaviventris species complex	L	1	1	"		
Ephemerella	L	1	1	MCB 2019	imm	Y
E. subvaria	L	1	1	Kubertanz 2016		
Eurylophella	L	1	1	MCB 2019	imm	
Ephemerella	L	XIII	14	"	imm	
Maccaffertium vicarium	L	1	2	Kubertanz 2016		
Calopterygidae	L	1	1	MCB 2019	imm	
Cordulegaster	L	1	1	"	imm	N
C. maculata	L	1	1	Tennessee 2019		
Gomphidae	L	1	1	MCB 2019	imm	
Allocaenia	L	1	1	"		
Paracappa angulata	L	III	3	Hitchcock 1974		
Amphinemura	L	1	1	MCB 2019	imm	
Nemoura arctica	L	1	1	Grubbs et al 2018		
Taeniopteryx	L	11	2	MCB 2019	imm	N
T. burksi	L	2	5	Full Stew 1980		
Brachycentrus numerosus	L	1	1	Hilsenhoff 1985		
B. occidentalis	L	11	2	"		
Helicopsyche borealis	L	11	2	Hilsenhoff 1985		
Ceratopsyche bronta	L	1	1	Schmida 1986		
C. spuma	L	1	1	"		
Cheumatopsyche	L	111	4	MCB 2019		
Lepidostoma	L	1	1	"		
Oecetis	L	XIII	15	"	imm	
Pseudopsycha	L	1	1	"		
Molanna tryphena	L	1	1	Sherbell 1971		
Nesoclis	L	11	2	MCB 2019		
Nephelodes	L	xi	11	"	imm	
Nigronia serricornis	L	111	4	Nantz 1966		
Sialis	L	1	1	MCB 2019		
Dibiraphra	L	1	1	"		N
D. quadrimaculata	A	11	2	Hilsen Schm 1992		
Optio sericus	L	51111	38	MCB 2019	imm	N
O. fastiditus L. 15 A. 4	L	XIII	19	Hilsen Schm 1992		

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Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Otosensus drivitatus</i>	A	1	1	Halsinger 1972		
<i>Proboezzia</i>	L	1	1	Halsinger 1972		
<i>Orthocladinae</i> small taxon	P	"	2	MCB 2019	dam	N
<i>Hemerodromia</i>	L	8-11	37	"		
<i>Prosimulium</i>	L	1	1	"	imm	
<i>Simulium venustum</i> species complex	L	1	1	Ander et al 2004		
<i>Chrysops</i>	L	2	20	MCB 2019		
<i>Antocha</i>	L	"	2	"		
<i>Gammarus pseudolimnaeus</i>	A	III	3	Halsinger 1972		
<i>Caecidotea</i>	A	1	1	Thompson 2016	fen	
<i>Laevapex fuscus</i>	A	1	1	"		
<i>Endyptreidae</i>	A	1	1	"		
<i>Lumbriculus</i>	A	1	1	"		
<i>Naidinae</i>	A	1	1	Kahn Brin 1998		
<i>Tubificinae</i> (without hairs)	A	"	2	"		
<i>Stilbia Chironomidae</i>	L	8-11	31			
<i>Potthastia longimaria</i> group	L	1	6	Ander et al 2013		
<i>Brillia</i>	L	III	4	"	imm	
<i>Parametriothenemus</i>	L	III	4	"		
<i>Thienemannella</i>	L	"	2	"	imm	N
<i>Cladotanytarsus</i>	L	XI	11	"		
<i>Conchapelopia</i>	L	"	2	"		
<i>Thienemannimyia</i> group (b sens-2)	L	III	4	"	imm	Y
<i>Epitriptacus</i> species #3 Jacobsen	L	"	2	Epler 2001		
<i>Eukiefferiella danvicensis</i> group	L	III	4	Ander et al 2013		
<i>Hydrobaenus</i>	L	1	1	"		
<i>Parakiefferiella</i>	L	1	1	"		
<i>Rheocricotopus</i>	L	1	1	"		
<i>Synorthocladus</i>	L	1	1	"		
<i>Thienemannella xena</i>	L	"	2	Bolton 2012		
<i>Tweedia bavarica</i> group	L	1	1	Bode 1983		
<i>Microseetra</i>	L	1	1	Ander et al 2013		
<i>Microkandypes pedellus</i> group	L	1	1	"		
<i>M. rydalsensis</i> group	L	1	1	"		
<i>Phaenopsectra flavipes</i>	L	1	1	Bolton 2012		
<i>Polypedium (Polypedium) albicorne</i>	L	1	1	"		
<i>P. (Cresipedium) aviceps</i>	L	1	1	"		

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