

Wadeable Macroinvertebrate Field Data Report

Form 3200-081 (R 8/14) Page 1 of 2

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name BULL GUS CREEK	Waterbody ID Code 2926700	Sample ID (YYYYMMDD-CY-FD) 20211006-26-02
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Sampling Location

Bull Gus Cr	Database Key 284978960
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SWIMS Station ID 10037096	SWIMS Station Name BULL GUS CREEK 100M DS OF FR 703
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Latitude 46.30354	Longitude -90.50491	Lat/Long Determination Method (circle) SWIMS SWDV <u>GPS</u>	Datum Used if using GPS <u>WGS84</u> or NAD83
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Basin (WMU) LAKE SUPERIOR	Watershed Name TYLER FORKS	County IRON
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Sample and Site Descriptors

Sample Collector (Last Name, First) MARIA LEFEVRE	Project Name NOR LONG-TERM TREND WADEABLE REFERENCE STREAM
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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) 2	Estimated Area Sampled (m ²) 1	Number of Samples in Composite 6	Replicate No. <u>1</u> of <u>1</u>
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Reason For Sampling

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

Water Temp. (C) 14.03	D.O. (mg/l) 6.92	D.O. (% sat.) 67.6	pH (su) 7.61	Conductivity (umhos/cm) 106	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 3	Average Stream Depth of reach (m) 0.2	Average Stream Width of reach (m) 3
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Composition of Substrate Sampled (Percent):

Bedrock: _____	Boulders (basketball or larger): <u>20</u>	Rubble (tennisball to basketball): <u>40</u>	Gravel (ladybug to tennisball): <u>30</u>
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Sand: <u>10</u>	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 (%) <u>10</u>	Canopy Cover at Sample Site (%) <u>30</u>
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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	PL	PL	Chlorine	N	N
- Filamentous Algae	N	N	Dissolved Oxygen	N	N
- Planktonic Algae	N	N	Nutrients (P, N...)	N	N
Iron Bacteria	N	PL	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
Physical			Pasturing of Livestock	N	N
Bank Erosion	PL	N	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	PL	PL	Septic Systems	N	N
- Downstream	PL	PL	Tile Drainage - Organic Soils	N	N
Low Flow	N	N	- Mineral Soils	N	N
Sedimentation	PL	PL	Springs	N	PL
Sludge	N	N	Tributary(s)	N	PL
Thermal	N	N	Wetland	PL	PL
Turbidity	N	N	Other - Specify:		
Other - Specify:					

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter Blake Raymer	Taxonomist Dimick, Jeffray	Estimated Percent of Sample Sorted R1=7.8% R2=14.1%
Date Processed 10/12/22	Specimens Saved R1=139, subsamples archived in ABL until Jan 2026	

A2a4:30
a1:22
a3:21
a2:

C3a1:29
a2:37
a4:
a3:

R1=139

A1a3:10
a1:18
a4:
a2:21
a3:14

C4a1:18
a4:
a2:21
a3:14

D1a3:13

R2=128

Wisconsin Department of Natural Resources

ABL SampleNum: 20211006-26-02

Taxonomist: Dimick, Jeffrey

 Waterbody: Bull Gus Creek
 SWIMS Database Key: 284978960

 Page 2 of 2
 JJD

Taxa	Life Stage	Organism Count			Taxonomic Reference	Condition	Unique Taxon
		Rep 1	Rep 2	Rep 3			
<i>Acerpenna macdunnoughii</i>	L	13	6		Klub 2016		
<i>Baetis brunneicollis</i>	L	2	0		"		
<i>Ephemerella subvaria</i>	L	1	0		"		
<i>Maccaffertium vicarium</i>	L	4	5		"		
<i>Leptophlebiidae</i>	L	2	3		MCB 2019	dam	N
<i>Leptophlebia</i>	L	0	1		"	imm	
<i>Nolophlebia</i>	L	14	8		"	dam/imm	N
<i>N. mollis</i>	L	3	0		Klub 2016		
<i>Cordulegaster</i>	L	1	1		MCB 2019	imm	
<i>Paracantha angulata</i>	L	9	5		Hitch 1974		
<i>Taeniopteryx</i>	L	0	1		MCB 2019	imm	
<i>Hydropsychidae</i>	L	0	1		"	imm	N
<i>Ceratopsyche slossonae</i>	L	1	0		Schmittils 1986		
<i>Cheumatopsyche</i>	L	1	3		MCB 2019		
<i>Diplectrona modesta</i>	L	0	1		Hils 1995		
<i>Hydropsyche betteni</i>	L	1	2		Schmittils 1986		
<i>Lepidostoma</i>	L	2	0		MCB 2019		
<i>Limnephilidae</i>	L	1	2		"	imm	
<i>Chimarra</i>	L	10	8		"	imm	N
<i>C. aterrima</i>	L	10	22		Hils 1982		
<i>Rhyacophila vibax</i>	L	0	2		Pratt-Morse 2001		
<i>Neophylax</i>	L	6	5		MCB 2019	imm	
<i>Nigronia serricornis</i>	L	1	1		Newman 1966		
<i>Optiosevus</i>	L	2	4		MCB 2019	imm	N
<i>O. fastiditus</i> R1 L1 R2 L1 A1	L/A	1	2		Hils Schmitt 1992		
<i>Stictocentrus cinctus</i>	L	3	1		Hils 1995		
<i>Bezzia / Paspomyia</i>	L	0	1		MCB 2008		
<i>Orthocladinae</i>	P	1	1		MCB 2019	dam	N
<i>Polypedium</i>	P	1	0		"		N
<i>Pericoma</i>	L	3	0		Hils 1995		
<i>Prosimulium</i>	L	3	0		MCB 2019	imm	
<i>Simulium</i> <u>Stuber SC</u>	P	1	0		"		N
<i>S. tuberosum</i> species complex	L	0	2		Acker et al 2004		
<i>Stegopterna</i>	L	1	1		MCB 2019		
<i>Anocha</i>	L	1	1		"		
<i>Dicranota</i>	L	2	0		"		
<i>Pseudolimnophila</i>	L	1	0		"		
<i>Tipula</i>	L	0	1		"		
<i>Dugesiiidae</i>	A	2	4		Thorp Reg 2016		
<i>Pisidium</i>	A	0	1		"		

[illegible]