

Instructions: **Bold** fields must be completed.

Station Summary

Waterbody Name BULL GUS CREEK	Waterbody ID Code 2926700	Sample ID (YYYYMMDD-CY-FD) 20200924-26-03
Sampling Location		Database Key 249177425

SWIMS Station ID 10037096	SWIMS Station Name BULL GUS CREEK 100M DS OF FR 703		
Latitude 46.30354 / 46.30325	Longitude -90.50491 / -90.50495	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
Basin (WMU) LAKE SUPERIOR		Watershed Name TYLER FORKS	County IRON

Sample and Site Descriptors

Sample Collector (Last Name, First) JON KLEIST	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 (m²) 1.5	Number of Samples in Composite 3	Replicate No. 1 of 1
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Reason For Sampling

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

Water Temp. (C) 13.7	D.O. (mg/l) 6.7	D.O. (% sat.) 65.0	pH (su) 7.1	Conductivity (umhos/cm) 82	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)

Measured Velocity 0.4	circle units m/s or f/s	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): 20	Rubble (tennisball to basketball): 60	Gravel (ladybug to tennisball): 20
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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 (%) 10	Canopy Cover at Sample Site (%) 90%
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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	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	PL	PL	Septic Systems	N	N
- Downstream	PL	PL	Tile Drainage - Organic Soils	N	N
Low Flow	N	N	- Mineral Soils	N	N
Sedimentation	N	N	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 <i>Reed, Kayla</i>	Taxonomist <i>Druck, Jeffrey</i>	Estimated Percent of Sample Sorted <i>7.81%</i>
Date Processed <i>12-6-2021</i>	Specimens Saved <i>142 subsample archived in BPL info Feb 2025</i>	

C1Q3 → 27
A3Q4 → 57
C1Q4 → 18
A3Q2 → 17
C1Q2 → 23

Wisconsin Department of Natural Resources

ABL SampleNum: 20200924-26-03

Taxonomist: Dimick, Jeffrey

Waterbody: Bull Gus Creek

SWIMS Database Key: 249177425

Page 1 of 2

Taxa	Life Stage	Benthic Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Acerentoma</i>	L	11	2	MCB 2019	dam	N
<i>A. macdunnoughi</i>	L	111	8	Klub 2016		
<i>Baetis brunneicolar</i>	L	1	6	"		
<i>B. tricaudatus</i>	L	1	1	"		
<i>Maccaffertium</i>	L	1	1	"	imm	N
<i>M. vicarium</i>	L	1111	10	"		
<i>Leptophlebia</i>	L	111	8	MCB 2019	imm	
<i>Neoleptophlebia</i>	L	1	5	"	dam/imm	N
<i>N. mollis</i>	L	1111	4	Klub 2016		
<i>Boyeria vinosa</i>	L	1	1	Tennessee 2019		
<i>Paracappa argulata</i>	L	1111	4	Hitch 1974		
<i>Hydropsychidae</i>	L	11	2	MCB 2019	imm	N
<i>Ceratopsyche slossonae</i>	L	1	1	Schm Hils 1986		
<i>Chaumatopsyche</i>	L	111	3	MCB 2019		
<i>Diplestoma modesta</i>	L	1	1	Hils 1985		
<i>Hydropsyche betteri</i>	L	111	16	Schm Hils 1986		
<i>Lepidostoma</i>	L	1	1	MCB 2019		
<i>Odetis avara</i>	L	1	1	Floyd 1995		
<i>Philopotamidae</i>	L	1	1	MCB 2019	imm	N
<i>Chironomus</i>	L	1111	10	"	imm	N
<i>C. tentans</i>	L	1111	4	Hils 1982		
<i>Necrosia serricornis</i>	L	1	1	Newzig 1966		
<i>Optioservus</i>	L	11	7	MCB 2019	imm	
<i>Atherix variegata</i>	L	1	1	Hils 1995		
<i>Bezzia/palpanyza</i>	L	1	1	"		
<i>Rheocricotopus</i>	P	11	2	MCB 2019		N
<i>Simulium</i>	L	1	1	"	imm	N
<i>Simulium</i>	P	1	1	"	dam	N
<i>S. brachyurum</i>	L	111	3	Adl et al 2004		
<i>S. tuberosum speeres complex</i>	L	1	5	"		
<i>Tipula</i>	L	1	1	MCB 2019		
<i>Dugesidae</i>	A	11	2	Thorp Bog 2016		
<i>Lumbriculus</i>	A	1111	8	"		
<i>Naididae</i>	A	1	1	Koth Born 1998		
Split A2 Chironomidae	L	111111				
<i>Brillia</i>	L	1	1	And et al 2013	imm	

Taxonomist: Dimick, Jeffrey

Page 2 of 2

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