

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name POTATO RIVER	Waterbody ID Code 2906200	Sample ID (YYYYMMDD-CY-FD) 20181024-26-05
Sampling Location		Database Key 169647656

SWIMS Station ID 10051936	SWIMS Station Name POTATO RIVER 80M DS OF LOGGING ROAD ACCESS		
Latitude 46.3647333	Longitude -90.3452593	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
Basin (WMU) LAKE SUPERIOR		Watershed Name POTATO RIVER	County IRON

Sample and Site Descriptors

Sample Collector (Last Name, First) MICHAEL SHUPRYT	Project Name MACROINVERTEBRATE SPATIAL ANALYSIS
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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) 1	Estimated Area Sampled (m ²) 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) 3.7	D.O. (mg/l) 13.8	D.O. (% sat.) 104.2	pH (su) 6.6	Conductivity (umhos/cm) 37	Transparency (cm) 7120
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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 1.9	circle units m/s or f/s	Average Stream Depth of reach (m) 0.5	Average Stream Width of reach (m) 8
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Composition of Substrate Sampled (Percent):

Bedrock: _____	Boulders (basketball or larger): _____	Rubble (tennisball to basketball): 70	Gravel (ladybug to tennisball): 30
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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 (%) 0	Canopy Cover at Sample Site (%) 0
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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			Chlorine		
- Filamentous Algae			Dissolved Oxygen		
- Planktonic Algae			Nutrients (P, N...)		
Iron Bacteria			Toxics: - Inorganic (Metals)		
Macrophytes			- Organic (PCBs, pesticides...)		
Slimes			Other - Specify:		
Other - Specify:			Sources of Stream Impacts		
			Bank Erosion		
			Point Source - Specify:		
			Pasturing of Livestock		
			Runoff: - Barnyard		
			- Construction		
			- Cropland		
			- Urban		
			Septic Systems		
			Tile Drainage - Organic Soils		
			- Mineral Soils		
			Springs		
			Tributary(s)		
			Wetland		
			Other - Specify:		
Physical					
Bank Erosion					
Channelization: - Upstream					
- Downstream					
Hydraulic Scour / Channel Incision					
Impoundment: - Upstream					
- Downstream					
Low Flow					
Sedimentation					
Sludge					
Thermal					
Turbidity					
Other - Specify:					

Comments

Special Instructions for Laboratory

For Lab Use Only		
Sample Sorter	Taxonomist	Estimated Percent of Sample Sorted
Kayla Wilcox	Derrick Jeffery	7%
Date Processed	Specimens Saved	
06/26/19	262	

A2-262

Subsample archived in BSL until Sept 2022

Wisconsin Department of Natural Resources

ABL SampleNum: 20181024-26-05

Taxonomist: Dimick, Jeffrey

Waterbody: Potato River
SWIMS Database Key: 169647656

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Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Paracappa angulata</i>	L	1	1	Hils 1974		
<i>Paragnetina media</i>	L	1	1	Hils 1995		
<i>Isoperla signata</i>	L	1	1	Hils 1982		
<i>Taeniopteryx</i>	L	-	5	Hils 1995	imm	
<i>Acerpenna</i>	L		4	Klob 2016	dam	N
<i>A. maddunoughi</i>	L	x	15	"		
<i>A. pygmaea</i>	L	1	1	"		
<i>Caenis</i>	L		3	"	imm	N
<i>C. punctata</i>	L		3	"		
<i>Ephemerella subvaria</i>	L		2	"		
<i>Heptageniidae</i>	L	1	1	"	imm	N
<i>Epeorus vitreus</i>	L	1	1	"		
<i>Zwergfliege</i>	L	x-	15	"		
<i>Maccaffertium</i>	L	-	5	"	imm	Y
<i>M. varianum</i>	L	-	8	"		
<i>Leptophlebiidae</i>	L	1	1	"	dam	N
<i>Leptophlebia</i>	L	1	1	"	dam	
<i>Paraleptophlebia</i>	L		10	"	imm	N
<i>Isaocyba</i>	L		2	"	imm	
<i>Paraleptophlebia mollis</i>	L	1	1	"		
<i>Cheumatopsyche</i>	L	81	41	Hils 1995		
<i>Hydropsychidae</i>	L	1	1	"	imm	N
<i>Hydropsyche</i>	L	1	1	"	imm	N
<i>H. betteri</i>	L	x	14	Schmidt 1986		
<i>Ceratopsyche</i>	L		2	Hils 1995	imm	N
<i>C. glossanae</i>	L		2	Schmidt 1986		
<i>C. spuma</i>	L		2	"		
<i>Hydropsyche</i>	L		2	Hils 1995		
<i>Chimarra</i>	L	1	1	"	imm	N
<i>Ch. aterrima</i>	L	-	5	Hils 1982		
<i>Psychomyia flavida</i>	L		2	Hils 1995		
<i>Microcylloepus pusillus</i>	A	1	1	Hils Schm 1992		
<i>Stenelmis</i>	L	1	1	"		
<i>Nemoura</i>	L	-	5	Quatt Merri 2008		
<i>Prosimulium</i>	L	-	5	Bel et al 2004	imm	
<i>Stegopterna</i>	L		2	"	imm	
<i>Antocha</i>	L	1	1	Hils 1995		
<i>Eukiefferiella</i>	P	1	1	Ferr et al 2008		N

Taxonomist: Dimick, Jeffrey

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[illegible]