

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name POTATO RIVER, UNNAMED	Waterbody ID Code 5502349, 2906200	Sample ID (YYYYMMDD-CY-FD) 2018/024-26-13
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Sampling Location

Database Key
169647898

SWIMS Station ID 10039996	SWIMS Station Name POTATO RIVER 200M US OF STH 77
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Latitude 46.3648687	Longitude -90.4097986	Lat/Long Determination Method (circle) <u>SWIMS</u> SWDV GPS	Datum Used if using GPS WGS84 or NAD83
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Basin (WMU) LAKE SUPERIOR	Watershed Name POTATO RIVER	County IRON
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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) 2	Estimated Area Sampled (m²) 2	Number of Samples In Composite 1	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) 3.6	D.O. (mg/l) 12.6	D.O. (% sat.) 94.8	pH (su) 7.2	Conductivity (umhos/cm) 43	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 0.7	circle units m/s or f/s	Average Stream Depth of reach (m) 0.34	Average Stream Width of reach (m) 10
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): 30 Rubble (tennisball to basketball): _____ Gravel (ladybug to tennisball): 50

Sand: 20 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 (%) 10

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		
Physical			Runoff: - Barnyard		
Bank Erosion			- Construction		
Channelization: - Upstream			- Cropland		
- Downstream			- Urban		
Hydraulic Scour / Channel Incision			Septic Systems		
Impoundment: - Upstream			Tile Drainage - Organic Soils		
- Downstream			- Mineral Soils		
Low Flow			Springs		
Sedimentation			Tributary(s)		
Sludge			Wetland		
Thermal			Other - Specify:		
Turbidity					
Other - Specify:					

Comments

Special Instructions for Laboratory

For Lab Use Only		
Sample Sorter: <i>Kayla Wilcox</i>	Taxonomist: <i>Demick Jeffrey</i>	Estimated Percent of Sample Sorted: <i>13%</i>
Date Processed: <i>6/27/19</i>	Specimens Saved: <i>187</i>	

C2= 103

C= 84 187

subsample archived in ABL until Sept 2022

Wisconsin Department of Natural Resources

ABL SampleNum: 20181024-26-13

Taxonomist: Dimick, Jeffrey

Waterbody: Potato River
SWIMS Database Key: 169647898

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Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Allocaenia</i>	L	1	1	Hils 1995		
<i>Paracania angulata</i>	L		9	Hitch 1971		
<i>Acronura</i>	L	1	1	Hils 1995	imm	N
<i>A. lycorias</i>	L	1	1	Hitch 1974		
<i>Paragnetina media</i>	L	1	1	Hils 1995		
<i>Isoperla signata</i>	L		2	Hils 1982		
<i>Oempheryx glacialis</i>	L		3	Hils 1995		
<i>Baetis tricaudatus</i>	L	1	1	Klob 2016		
<i>Acerpenna macdunnoughi</i>	L	1	1	"		
<i>Ephemerella</i>	L		7	"	imm	N
<i>E. invaria</i>	L	x	13	"		
<i>E. subvaria</i>	L		7	"		
<i>Eurylophella</i>	L		4	"	imm	
<i>Teloganopsis deficiens</i>	L		2	"		
<i>Ecnorus vitreus</i>	L		4	"		
<i>Rhythrogena jejuana</i>	L	1	1	"		
<i>Leucocrota</i>	L		3	"		
<i>Maccaffertium</i>	L		3	"	imm/imm	N
<i>M. modestum</i>	L		2	"		
<i>M. vicarium</i>	L		3	"		
<i>Paraleptophlebia</i>	L	x	12	"	imm/imm	
<i>Microstema rusticum</i>	L	1	1	Hils 1985		
<i>Glossosoma</i>	L		4	Hils 1995	imm	
<i>Ceratopsyche</i>	L		2	"	imm	N
<i>C. glossonae</i>	L		4	Schm Hils 1986		
<i>C. sparna</i>	L		4	"		
<i>Chimarra</i>	L	x 1	11	Hils 1995	imm	N
<i>Ch. aterrima</i>	L		4	Hils 1982		
<i>Heptageniidae</i>	L	1	1	Klob 1995	imm	N
<i>Dubiraphia minima</i>	A	1	1	Hils Schm 1992		
<i>Optioseurus</i>	L		3	"	imm	N
<i>O. fastiditus</i>	L	1	5	"		
<i>O. trivittatus</i>	L		2	"		
<i>Stenelmis</i>	L	1	1	"		N
<i>S. crenata</i>	A		2	"		
<i>Atherix variegata</i>	L		3	Hils 1995		
<i>Hemipterodromia</i>	L	1	1	Count Merr 2008		
<i>Simulium tuberosum</i> species complex	L	1	1	Adl et al 2021		

[illegible]