

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name POTATO RIVER	Waterbody ID Code 2906200	Sample ID (YYYYMMDD-CY-FD) 20181024-26-09
Sampling Location		Database Key 169647811

SWIMS Station ID 10032781	SWIMS Station Name POTATO RIVER AT TRAIL CROSSING		
Latitude 46.350033	Longitude -90.384285	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 2	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) 14.2	D.O. (% sat.) 108	pH (su) 6.5	Conductivity (umhos/cm) 37	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 2.2 circle units m/s or (f/s)	Average Stream Depth of reach (m) 0.5	Average Stream Width of reach (m) 9
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Composition of Substrate Sampled (Percent):

Bedrock: _____	Boulders (basketball or larger): 10	Rubble (tennisball to basketball): 60	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 (%) 20
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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		
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>Karla Wilson</i>	Taxonomist <i>Demrick Jeffery</i>	Estimated Percent of Sample Sorted <i>13%</i>
Date Processed <i>6/27/19</i>	Specimens Saved <i>Subsample archived in ABC until Sept 2022</i>	

C2 = 110
B2 = 73

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Wisconsin Department of Natural Resources

ABL SampleNum: 20181024-26-09

Taxonomist: Dimick, Jeffrey

Waterbody: Potato River
SWIMS Database Key: 169647811

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Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Paracappnia angulata</i>	L	III	4	Hitch 1974		
<i>Acroneuria</i>	L	I	1	Hils 1995	imm	
<i>Paragnetina media</i>	L	I	1	"		
<i>Isoperla</i>	L	I	1	"	imm	
<i>Acerpenna maedumoughi</i>	L	I	1	Klib 2016		
<i>A. pygmaea</i>	L	III	4	"		
<i>Coeniza</i>	L	I	1	"	imm	
<i>Ephemerella</i>	L	III	3	"	imm	N
<i>E. invarra</i>	L	III	5	"		
<i>E. subvarra</i>	L	II	2	"		
<i>Epeorus vitreus</i>	L	I	5	"		
<i>Leucrocuta</i>	L	III	13	"		
<i>Maccaffertium vicarium</i>	L	I	1	"		
<i>Leptophlebiidae</i>	L	III	4	"	dev/imm	N
<i>Paraleptophlebia</i>	L	X	15	"	dev/imm	N
<i>P. mollis</i>	L	III	3	"		
<i>Microstema</i>	L	II	2	Hils 1985	imm	N
<i>M. rustrum</i>	L	I	1	"		
<i>Ceratopsyche sparna</i>	L	III	3	Schm Hils 1986		
<i>Neophylax</i>	L	I	1	Hils 1995	imm	
<i>Optioservus</i>	L	III	4	Hils Schm 1992	imm	N
<i>O. fastiditus</i>	L	I	1	"		
<i>Stenelmis</i>	L	III	3	"		N
<i>S. crenata</i>	A	I	1	"		
<i>Atherix variegata</i>	L	I	1	Hils 1995		
<i>Bezzia/Palpomyia</i>	L	I	1	"		
<i>Hemerodromia</i>	L	I	6	contment 2008		
<i>Simuliidae</i>	L	I	1	"	imm	N
<i>Prosimulium</i>	L	III	3	Adl et al 2004		
<i>Antocha</i>	L	II	2	Hils 1995		
<i>Pseudolimnophila</i>	L	I	1	"		
<i>Trembidiiformes</i>	A	I	1	Thorp Reg 2016	imm	N
<i>Limnesia</i>	A	I	1	Pluch 1964		
<i>Naididae</i>	A	I	5	Birnfeld 1991		
<i>Lumbriculus</i>	A	II	2	Thorp Reg 2016		
<i>Ferrissia rivularis</i>	A	I	1	"		
<i>Pisidium</i>	A	II	2	MacKie 2007		

[illegible]