

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name POTATO RIVER	Waterbody ID Code 2906200	Sample ID (YYYYMMDD-CY-FD) 20181024-26-06
Sampling Location		Database Key 169647685

SWIMS Station ID 10041397	SWIMS Station Name POTATO RIVER AT SNAKE TRACK RD CROSSING (T45N R1E S22)		
Latitude 46.363876	Longitude -90.358055	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 2
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Reason For Sampling

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

Water Temp. (C) 3.8	D.O. (mg/l) 13.8	D.O. (% sat.) 104.9	pH (su) 6.6	Conductivity (umhos/cm) 40	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 1.3 circle units m/s or (f/s)	Average Stream Depth of reach (m) 0.5	Average Stream Width of reach (m) 6
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Composition of Substrate Sampled (Percent):

Bedrock: _____	Boulders (basketball or larger): _____	Rubble (tennisball to basketball): 60	Gravel (ladybug to tennisball): 40
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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 (%) 50
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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

Duplicate of "07"

Special Instructions for Laboratory

For Lab Use Only		
Sample Sorter Logan Cutler	Taxonomist Derrick Jeffery	Estimated Percent of Sample Sorted 7%
Date Processed 6/27/19	Specimens Saved 160	

Subsample archived in OBL until Sept 2022

Wisconsin Department of Natural Resources

ABL SampleNum: 20181024-26-06

Taxonomist: Dimick, Jeffrey

Waterbody: Potato River

SWIMS Database Key: 169647685

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Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Paracappia angulata</i>	L III		3	Hitch 1974		
<i>Leuctra</i>	L I		1	Hils 1995	imm	
<i>Taeniopteryx</i>	L II		2	"	imm	
<i>Acerpenna</i>	L III		4	Klub 2016	dam	N
<i>A. mackinnonvghii</i>	L I		6	"		
<i>A. pygmaea</i>	L II		2	"		
<i>Caenis</i>	L IV		3	"	imm	N
<i>C. latipennis</i>	L II		2	"		
<i>Ephemerella subvarra</i>	L I		1	"		
<i>Heptageniidae</i>	L II		2	"	imm	N
<i>Epeorus vitreus</i>	L I		1	"		
<i>Stenocranus</i>	L III		4	"	imm	
<i>Leucocrota</i>	L X-III		19	"		
<i>Maccaffertium</i>	L II		2	"	imm	N
<i>M. vicarium</i>	L I		5	"		
<i>Leptophlebiidae</i>	L I-II		8	"	dam/imm	N
<i>Paraleptophlebia</i>	L 0-III		28	"	dam/imm	
<i>Chironomopsycha</i>	L I-II		7	Hils 1995		
<i>Hydroptila</i>	L I		1	"		
<i>Limnephilidae</i>	L I		1	"	imm	
<i>Chironomus</i>	L I-III		8	"	imm	N
<i>Chironomus</i>	L I-III		9	Hils 1982		
<i>Psychomyia flavida</i>	L I		1	Hils 1995		
<i>Neophylax</i>	L I		1	"	imm	
<i>Stenelmis</i>	L II		2	Hils Schim 1992		
<i>Chironomus</i>	L III		4	Court Mem 2008		
<i>Prosimulium</i>	L II		2	Adi et al 2001	imm	
<i>Stenopterna</i>	L I		1	"	imm	
<i>Antocha</i>	L III		3	Hils 1995		
<i>Orthocladus (Orthocladus)</i>	P I		1	Coff et al 1986		
<i>Leuctra</i>	A II		2	Pluch 1984		
<i>Lumbriculus</i>	A III		4	Thorp Zieg 2016		
<i>Pisidium</i>	A I-II		7	Mackie 2007		
<i>Spilargis chironomidae</i>	L III		24	Adi		
<i>Sphaerium</i>	A II		2	Mackie 2007		
<i>Comptosia</i>	L I		1	Adi et al 2013		

Taxonomist: Dimick, Jeffrey

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