

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name POTATO RIVER	Waterbody ID Code 2906200	Sample ID (YYYYMMDD-CY-FD) 20181024-26-03
Sampling Location		Database Key 169647612

SWIMS Station ID 10041400		SWIMS Station Name POTATO RIVER OFF OF NICK KANGAS RD	
Latitude 46.37752	Longitude -90.320885	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	Number of Samples in Composite 1	Replicate No. <u>1</u> of <u>2</u>
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Reason For Sampling

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

Water Temp. (C) 1.4	D.O. (mg/l) 13.4	D.O. (% sat.) 95.0	pH (su) 6.8	Conductivity (umhos/cm) 44	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 1.5	circle units m/s or f/s	Average Stream Depth of reach (m) 0.4	Average Stream Width of reach (m) 2
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Composition of Substrate Sampled (Percent):

Bedrock: _____	Boulders (basketball or larger): _____	Rubble (tennisball to basketball): <u>60</u>	Gravel (ladybug to tennisball): <u>30</u>
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Sand: _____	Clay: _____	Silt/Muck: _____	Overhanging Vegetation: _____
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Aquatic Macrophytes: <u>10</u>	Leaf Snags: _____	Coarse Woody Debris: _____	Other (): _____
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Embeddedness of Substrate at Sample Site (%) <u>20</u>	Canopy Cover at Sample Site (%) <u>100</u>
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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

Duplicate of "02"

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter Legan Cutler	Taxonomist Dimitri J. J. J.	Estimated Percent of Sample Sorted 13%
Date Processed 6/26/19	Specimens Saved 91 + 81 = 172	

A3 A2

subsample archived in ABL until Sept 2022

Wisconsin Department of Natural Resources

ABL SampleNum: 20181024-26-03

Taxonomist: Dimick, Jeffrey

Waterbody: Potato River
SWIMS Database Key: 169647612

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Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Acerpenna	L	x115	17	Klub 2016	dam	N
A. macdunnoughi	L	x111	13	"		
Stenacron	L	1	1	"	imm	
Maccaffertium vicarium	L	1	1	"		
Heptageniidae	L	1	1	"	imm	N
Leptophlebiidae	L	1111	4	"	dam	N
Leptophlebia	L	x11	12	"	dam/imm	N
L. cupida	L	-111	8	"		
Paraleptophlebia	L	-	5	"	imm	
Micrasema gelidum	L	1	1	Hils 1985		
Idolopsycha borealis	L	1	1	Hils 1985		
Limnephilidae	L	1	1	"	imm	N
Platycentropus	L	1	1	Hils 1985		
Chimarra aterrima	L	1	1	Hils 1982		
Polycentropus	L	1	1	Hils 1985		
Type diversa	L	1	1	"		
Rhyacophila	L	"	2	"	imm	
Negonia semicornis	L	1	1	Newn 1966		
Dasyheba	L	11	2	Hils 1985		
Negheba	L	1	1	Cond Merr 2008		
Presimulium	L	111	3	Bal et al 2004		
Glossopterna	L	-1	6	"		
Pseudolimnephila	L	1	1	Hils 1985		
Trembiculiformes	A	"	2	Thorp Bog 2016	imm	
Cyclopidae	A	1	1	"		
Lumbriculus	A	"	2	"		
Megadrili = Metasynphora	A	1	1	"		
Gyrinus deflexus	A	"	2	Burch 1989		
Sphaeriidae = Pisidiidae	A	-1	4	Thorp Bog 2016	dam/imm	N
Pisidium	A	011	22	Mackie 2007		
SpitAze chironomidae	L	Ex 111				
SpitAze chironomidae	L	511111				
Coryanura	L	11	2	And + 3 2013		
Nilotanytus	L	111	3	Cran EPI 2013		
Zavelimyia 08273000	L	1111	4	"		
Thienemannimyia group	L	1111	4	"	mt mdt	
Orthocladinae 08300000	L	111	3	Cranston 2013	mt mdt	N

Taxonomist: Dimick, Jeffrey

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[illegible]