

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name POTATO RIVER	Waterbody ID Code 2906200	Sample ID (YYYYMMDD-CY-FD) 20181024-26-02
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Sampling Location

Database Key
169639860

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
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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

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. 2 of 2
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Reason For Sampling

☐ Least Impacted Reference

☐ Baseline

☐ Impact / Treatment Site

☐ Control Site

☐ Trend

☒ Other: _____

Water Temp. (C)	D.O. (mg/l)	D.O. (% sat.)	pH (su)	Conductivity (umhos/cm)	Transparency (cm)
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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)

Measured Velocity circle units m/s or f/s	Average Stream Depth of reach (m)	Average Stream Width of reach (m)
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Composition of Substrate Sampled (Percent):

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

Sand: _____ Clay: _____ Silt/Muck: _____ Overhanging Vegetation: _____

Aquatic Macrophytes: _____ Leaf Snags: _____ Coarse Woody Debris: _____ Other (): _____

Embeddedness of Substrate at Sample Site (%) _____ Canopy Cover at Sample Site (%) _____

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 - "03"

Special Instructions for Laboratory

For Lab Use Only		
Sample Sorter <i>Kayla Wilcox</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>7%</i>
Date Processed <i>06/05/19</i>	Specimens Saved <i>463</i>	

B2= 463

Subsample archived in AOL until Sept 2022

Wisconsin Department of Natural Resources

ABL SampleNum: 20181024-26-02

Taxonomist: Dimick, Jeffrey

Waterbody: Potato River
SWIMS Database Key: 169639860

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Taxa	Life Stage	Benthic Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Allocaenia	L	11	2	Hils 1995		
Paracapia angulata	L	1	5	Hitch 1974		
Perleididae	L	111	8	Hils 1995	imm	
Baetidae	L	1	1	Klob 2016	dam	Y
Acerpenna	L	1	6	"	dam	N
A. macdonoughi	L	8x 1111	60	"		
Heptageniidae	L	1	1	"	imm	N
Stenonema	L	111	5	"	imm	
Macretterium	L	1	1	"	imm	N
M. vicarium	L	1111	9	"		
Leptophlebiidae	L	111	3	"	imm	N
Leptophlebia	L	x	10	"	imm	N
L. cupida	L	111	3	"		
Paraleptophlebia	L	8x 1111	54	"	imm	
Cheumatopsyche	L	1	5	Hils 1995		
Hydropsyche betteni	L	1	5	Schm Hils 1986		
Oxyethira	L	111	3	Hils 1995		
Limnephilidae	L	1	1	"	imm	
Chimarra	L	1111	4	"	imm	N
Ch. aterrima	L	11	2	Hils 1982		
Lype diversa	L	1	1	Hils 1995		
Rhyacophila vibax	L	1111	4	Pra Mar 2001		
Dubiraphia quadrinata	A	1	1	Hils Schm 1992		
Optroserius	L	1	1	"	imm	
Bezzia/Palpaomyia	L	1	1	Hils 1995		
Prosimulium	L	x 11111	15	Adl et al 2001	imm	
Stegopterna	L	x 1	11	"	imm	
Antocha	L	11	2	Hils 1995		
Dasyhelea	L	1	1	"		
Pugosiidae	A	1	1	Thorp Ros 2016		
Lumbriculus	A	x 1	15	"		
Bythotrephes	A	11	2	"		
Pisidium	A	x	10	Mackie 2007		
Spit A2a Chironomidae	L	8x 1111				
Spit A2b Chironomidae	L	8x 1111				
Spit A2c Chironomidae	L	8x 1111				
Spit A2d Chironomidae	L	8x 1111				

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Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Split A2 e Chironomidae	L	5-11				
Simuliidae	L	I	1	cont Meir 2008	dam	N
Conchapelopia 08270700	L	III	3	Cran Epl 2013		
Meropelopia	L	II	2	"		
Nilotanyptus	L	III	4	"		
Zanclusmyia 08273000	L	-II	7	"		
Thienemannimyia group	L	-	5	"	imm	N
Orthocladiinae 08300000	L	XII	12	Cranston 2013	not indet imm	N
Brillia	L	-II	7	And + 3 2013	imm	
Corynoneura	L	II	2	"		
Diplocladius	L	-I	6	"		
Eukiefferiella claripennis group	L	I	1	"		
Eu. deventica group	L	X	10	"		
Limnophyes	L	I	1	"		
Orthocladius	L	I	1	"		Y
O. (Symposiocladius) annectens	L	-	5	Bolton 2012		
Paracricotopus	L	-III	8	And + 3 2013		
Parakiefferiella	L	-	5	"		
Parametriocnemus	L	8x	55	"		
Psectrocladius	L	I	1	"	imm	
Rheocricotopus	L	I	1	"		
Stilbocladius	L	I	1	"		
Thienemannella	L	III	3	"	imm	
Tvetenia bavarica group	L	-	5	Bode 1983		
Chironominae 08330000	L	OL	21	Cranston 2013	not indet imm	N
Picrotendipes	L	I	1	Epl et al 2013		
Microsestra	L	III	4	"		
Paratanytarsus	L	I	1	"	not indet	N
P. species A	L	II	2	Hils unpubl.		
P. longistylus	L	X	10	Epl et al 2013		
Paratendipes	L	II	2	"		
Phaenopsectra flavipes	L	I	1	Bolton 2012		
Polypodilum	L	III	3	Epl et al 2013	imm	N
P. (Polypodilum) illinoense group	L	-I	6	Bolton 2012		
P. (P.) laetum group	L	I	1	"		
P. (Tripeclura) halterale group	L	I	1	"		
Rhyotanytarsus	L	III	3	Epl et al 2013		
Stempellinella	L	II	2	"		

Taxonomist: Dimick, Jeffrey

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[illegible]