

Instructions: Bold fields must be completed.

Station Summary			
Waterbody Name POTATO RIVER		Waterbody ID Code 2906200	Sample ID (YYYYMMDD-CY-FD) 20181024-26-19
Sampling Location		Database Key 169647960	
SWIMS Station ID 10051934		SWIMS Station Name POTATO RIVER US SULLIVAN ROAD	
Latitude 46.4209289	Longitude -90.4595268	Lat/Long Determination Method (circle) <u>SWIMS</u> 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	
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) 2	Number of Samples in Composite 1	Replicate No. 1 of 1
Reason For Sampling			
☐ Least Impacted Reference ☐ Baseline ☐ Impact / Treatment Site ☐ Control Site ☐ Trend ☒ Other: _____			
Water Temp. (C) 3.4	D.O. (mg/l) 12.8	D.O. (% sat.) 95.9	pH (su) 7.0
Conductivity (umhos/cm) 60.4		Transparency (cm) 7120	
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 0.456	circle units m/s or f/s	Average Stream Depth of reach (m) 0.42	Average Stream Width of reach (m) ~10
Composition of Substrate Sampled (Percent):			
Bedrock: _____	Boulders (basketball or larger): _____	Rubble (tennisball to basketball): 50	Gravel (ladybug to tennisball): 40
Sand: 10	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 (%) 0			

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	Taxonomist	Estimated Percent of Sample Sorted
<i>Kyle A. Miller</i>	<i>Dimitri K. Jeffery</i>	<i>33%</i>
Date Processed	Specimens Saved	
<i>7/12/19</i>	<i>144</i>	

A3 = 367 C2 = 23
C3 =
C1 = 354
D1 =

144

Subsample archived in ABL until Sept 2022

Wisconsin Department of Natural Resources

ABL SampleNum: 20181024-26-19

Taxonomist: Dimick, Jeffrey

Waterbody: Potato River

SWIMS Database Key: 169647960

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Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Allocapnia</i>	L	I	1	Hils 1995		
<i>Paracapnia angulata</i>	L	III	4	Hitch 1974		
<i>Paragnetina media</i>	L	III	3	Hils 1995		
<i>Isoperla signata</i>	L	-III	8	Hils 1992		
<i>Taeniopterygidae</i>	L	-III	8	Hils 1995	imm	N
<i>Oemopteryx glacialis</i>	L	X-III	17	"		
<i>Taeniopteryx</i>	L	II	2	"	imm	N
<i>T. burksi</i>	L	I	1	Full stem 1990		
<i>Ephemerella</i>	L	III	4	Klub 2016	imm	N
<i>E. invarca</i>	L	X-III	12	"		
<i>Teloganopsis deficiens</i>	L	I	1	"		
<i>Epeorus vitreus</i>	L	I	5	"		
<i>Rhythrogena jejuna</i>	L	I	1	"	dam	N
<i>Rh. jejuna</i>	L	X	10	"		
<i>Leucocrota</i>	L	I	1	"		
<i>Maccaffertium</i>	L	I	1	"	imm	Y
<i>M. vicarium</i>	L	I	1	"		
<i>Leptophlebia cupida</i>	L	III	3	"		
<i>Paraleptophlebia</i>	L	-II	7	"	dam/imm	N
<i>P. mollis</i>	L	II	2	"		
<i>Alossopsoma</i>	L	I	1	Hils 1995	imm	N
<i>G. nigric</i>	L	I	1	Wymmar 2000		
<i>Cheumatopsyche</i>	L	-II	7	Hils 1995		
<i>Ceratopsyche branta</i>	L	-II	6	Schm Hils 1986		
<i>C. marosa</i>	L	I	1	"		
<i>C. glossinae</i>	L	I	1	"		
<i>C. sparsa</i>	L	I	1	"		
<i>C. walkeri</i>	L	I	1	"		
<i>Leucotrachia pictipes</i>	L	I	1	Hils 1995		
<i>Psychomyia flavida</i>	L	-III	8	"		
<i>Neophylax</i>	L	II	2	"	imm	
<i>Optrosermus</i>	L	II	2	Hils Schm 1992	imm	N
<i>O. fastidius</i> <i>O. trivittatus</i> L, 3 A, 2	L, A	-	5	"		
<i>Stenelmis crenata</i>	A	I	1	"		
<i>Atherix variegata</i>	L	II	2	Hils 1995		
<i>Prosimulium</i>	L	III	3	Adl et al 2004	imm	
<i>Antocha</i>	L	I	1	Hils 1995		
<i>Nigronia serricornis</i>	L	I	1	Nem 1966		

Taxonomist: Dimick, Jeffrey

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[illegible]