

**Instructions: Bold fields must be completed.**

<b>Station Summary</b>		
<b>Waterbody Name</b> POTATO RIVER	<b>Waterbody ID Code</b> 2906200	<b>Sample ID (YYYYMMDD-CY-FD)</b> 20181024-26-15
<b>Sampling Location</b>		<b>Database Key</b> 169647926

<b>SWIMS Station ID</b> 10042753	<b>SWIMS Station Name</b> POTATO RIVER 12M US OF ATV TRAIL BRIDGE		
<b>Latitude</b> 46.3900061	<b>Longitude</b> -90.4265158	<b>Lat/Long Determination Method (circle)</b> <input checked="" type="checkbox"/> SWIMS <input type="checkbox"/> SWDV <input type="checkbox"/> GPS	<b>Datum Used if using GPS</b> WGS84 or NAD83
<b>Basin (WMU)</b> LAKE SUPERIOR		<b>Watershed Name</b> POTATO RIVER	<b>County</b> IRON

<b>Sample and Site Descriptors</b>	
<b>Sample Collector (Last Name, First)</b> MICHAEL SHUPRYT	<b>Project Name</b> 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

<b>Total Sampling Time (min)</b>	<b>Estimated Area Sampled (m<sup>2</sup>)</b>	<b>Number of Samples in Composite</b> 1	<b>Replicate No.</b> 1 <b>of</b> 1
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**Reason For Sampling**

Least Impacted Reference     
  Baseline     
  Impact / Treatment Site  
 Control Site     
  Trend     
 Other: \_\_\_\_\_

<b>Water Temp. (C)</b> 3.9	<b>D.O. (mg/l)</b> 12.4	<b>D.O. (% sat.)</b> 93.8	<b>pH (su)</b> 7.6	<b>Conductivity (umhos/cm)</b> 60.1	<b>Transparency (cm)</b> > 120
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<b>Water Color</b> <input type="checkbox"/> Clear <input type="checkbox"/> Turbid <input checked="" type="checkbox"/> Stained	<b>Estimated Stream Velocity (m/s)</b> <input type="checkbox"/> Slow (< 0.15 m/s) <input type="checkbox"/> Moderate (0.15 m/s - 0.5 m/s) <input type="checkbox"/> Fast (> 0.5 m/s)
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<b>Measured Velocity</b> 0.59	circle units <input checked="" type="radio"/> m/s or <input type="radio"/> f/s	<b>Average Stream Depth of reach (m)</b>	<b>Average Stream Width of reach (m)</b>
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**Composition of Substrate Sampled (Percent):**

Bedrock: \_\_\_\_\_ Boulders (basketball or larger): \_\_\_\_\_ Rubble (tennisball to basketball): 20 Gravel (ladybug to tennisball): 50  
 Sand: 30 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
<b>Biological</b>				<b>Chemical</b>			
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:				<b>Sources of Stream Impacts</b>			
				Bank Erosion			
				Point Source - Specify:			
<b>Physical</b>				Pasturing of Livestock			
Bank Erosion				Runoff: - Barnyard			
Channelization: - Upstream				- Construction			
- Downstream				- Cropland			
Hydraulic Scour / Channel Incision				- Urban			
Impoundment: - Upstream				Septic Systems			
- Downstream				Tile Drainage - Organic Soils			
Low Flow				- Mineral Soils			
Sedimentation				Springs			
Sludge				Tributary(s)			
Thermal				Wetland			
Turbidity				Other - Specify:			
Other - Specify:							

Comments

Special Instructions for Laboratory

For Lab Use Only		
Sample Sorter <i>Englemann</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>21%</i>
Date Processed <i>7/10/19</i>	Specimens Saved <i>149</i>	

AE41 B2 = 35  
 E1 = 39  
 B1 = 34  
 (149)

Subsample archived in ABL until Sept 2022

Wisconsin Department of Natural Resources

ABL SampleNum: 20181024-26-15 <sup>15</sup>

Taxonomist: Dimick, Jeffrey <sup>JD</sup>

Waterbody: Potato River

SWIMS Database Key: 169647898 <sup>JD</sup>

169647926

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Paracappa angulata</i>	L	-II	7	Hitch 1974		
<i>Hapliperla orpha</i>	L	I	1	"		
<i>Acronuria</i>	L	III	3	Hils 1995	imm	
<i>Isoperla signata</i>	L	II	2	Hils 1992		
<i>Baetis flavistigma</i> species complex	L	I	1	Kluth 2016		
<i>Acentrella turbida</i>	L	I	1	"		
<i>Ephemerella invaria</i>	L	I	1	"		
<i>Eurylophella</i>	L	I	1	"	imm	
<i>Epeorus vitreus</i>	L	I	1	"		
<i>Rhythrogena jejuna</i>	L	III	3	"		
<i>Leucocrota</i>	L	I	5	"		
<i>Maccaffertium vicarium</i>	L	III	4	"		
<del>Leptophlebiidae</del> <i>Paraleptophlebia</i>	L	III	4	"	devel/imm	N
<i>P. mollis</i>	L	III	3	"		
Gomphidae	L	I	1	Need et al 2000	imm	
<i>Glossosoma</i>	L	III	3	Hils 1995	imm	
<i>G. nigrior</i>	L	II	3	Wym Mar 2000		
<i>Cheumatopsyche</i>	L	I	1	Hils 1995		
<i>Ceratopsyche morosa morosa</i> form	L	I	1	Schm Hils 1996		
<i>Lepidostoma</i>	L	-	5	Hils 1995		
<i>Neophylax</i>	L	-	5	"	imm	
<i>Optioservus</i>	L	III	3	Hils Schm 1992	imm	N
<i>D. fastidiosus</i>	L	II	2	"		
<i>D. trivittatus</i> L, 72 A, 1	L, A	88 III	73	"		
<i>Atherix variegata</i>	L	I	1	Hils 1995		
<i>Bezzia / Palpomyia</i>	L	I	1	"		
<i>Lumbriculus</i>	A	xII	12	Thorp 2006		
<i>Pisidium</i>	A	-	5	Mackie 2007		
<del>split A2 Chironomidae</del>	L	xIII <sup>JD</sup>				
<i>Thienemanniomyia</i> group	L	I	1	Cran Epl 2013	imm	
<i>Cladotanytarsus</i>	L	III	3	Epl et al 2013		
<i>Microtendipes rydalensis</i> group	L	I	1	"		
<i>Paratanytarsus longistylus</i>	L	I	1	"		
<i>Polypedilum (Uresipedium) auriceps</i>	L	-II	7	Bolton 2012		