State of Wisconsin
Department of Natural Resources
PO Box 7291, Madison WI 53707-7291
dnr.wi.gov

Wadeable Macroinvertebrate Field Data Report

Form 3200-081 (R 8/14)

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name	Waterbody ID Code	Sample ID (YYYYMMDD-CY-FD)
POTATO RIVER	2906200	20181024-26-11

Sampling Location	Database Key
	169647818

SWIMS Station ID	SWIMS Station Name
10039997	POTATO RIVER 10M US OF APPLE CR (FR 700) RD

Latitude	Longitude	Lat/Long Determination Method (circle)	Datum Used if using GPS
46.34854	-90.40155	(SWIMS) SWDV GPS	WGS84 or NAD83

Basin (WMU)	Watershed Name	County
LAKE SUPERIOR	POTATO RIVER	IRON

Sample and Site Descriptors

Sample Collector (Last Name, First)	Project Name
MICHAEL SHUPRYT	MACROINVERTEBRATE SPATIAL ANALYSIS

Sampling Device

- [X] D-Frame Kick Net
- [ ] Surber Sampler
- [ ] Eckman
- [ ] Ponar
- [ ] Artificial Substrate
- [ ] Hess Sampler
- [ ] Other: _____

Habitat Sampled

- [X] Riffle
- [ ] Run
- [ ] Pool
- [ ] Other
- [ ] Shoreline Composite
- [ ] Proportionally-Sampled Habitat
- [ ] Littoral Zone
- [ ] Profundal Zone
- [ ] Wetland

Total Sampling Time (min)	Estimated Area Sampled (m^2)	Number of Samples in Composite	Replicate No. 1 of 1
1	1.5	3	

Reason For Sampling

- [ ] Least Impacted Reference
- [ ] Baseline
- [ ] Impact / Treatment Site
- [ ] Control Site
- [ ] Trend
- [X] Other: _____

Water Temp. (C)	D.O. (mg/l)	D.O. (% sat.)	pH (su)	Conductivity (umhos/cm)	Transparency (cm)
3.6	14.3	108.2	6.5	40	> 120

Water Color

- [X] 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	Average Stream Depth of reach (m)	Average Stream Width of reach (m)
1.8	m/s or (f/s)	0.5	6

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 (%) 0 **Canopy Cover at Sample Site (%)** 80

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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		
Physical			Point Source - Specify:		
Bank Erosion			Pasturing of Livestock		
Channelization: - Upstream			Runoff: - Barnyard		
- Downstream			- Construction		
Hydraulic Scour / Channel Incision			- Cropland		
Impoundment: - Upstream			- Urban		
- Downstream			Septic Systems		
Low Flow			Tile Drainage - Organic Soils		
Sedimentation			- Mineral Soils		
Sludge			Springs		
Thermal			Tributary(s)		
Turbidity			Wetland		
Other - Specify:			Other - Specify:		

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter	Taxonomist	Estimated Percent of Sample Sorted
Logan Cutler	Dimick, Jeffrey	13%
Date Processed	**Specimens Saved**	
6/27/19	108 + 106 = 214	

D3 D1
3hr

subsample archived in ABL until Sept 2022

Wisconsin Department of Natural Resources
ABL SampleNum: **20181024-26-11**
Taxonomist: Dimick, Jeffrey

Waterbody: **Potato River**
SWIMS Database Key: **169647818**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Allocapnia	L	I	1	Wils 1995		
Paracapnia angulata	L	~~5~~ IIII	34	Hitch 1974		
Haploperla arpha	L	I	1	"		
Nemouridae	L	I	1	Wils 1995	imm	
Acroneuria	L	III	3	"	imm	N
A. lycorias	L	-	5	Hitch 1974		
Paragnetina media	L	IIII	4	Wils 1995		
Perlodidae	L	I	1	"	imm	N
Isoperla signata	L	III	3	Wils 1982		
Taeniopterygidae	L	II	2	Wils 1995	imm	N
Oemopteryx glacialis	L	II	2	"		
Taeniopteryx	L	II	2	"	imm	N
T. burksi	L	I	1	Full Stew 1980		
Baetis tricaudatus	L	I	1	Kirch 2016		
Acerpenna	L	III	3	"	dam	N
A. pygmaea	L	I	1	"		
Ephemerella	L	-I	6	"	imm	N
E. invaria	L	-I	6	"		
E. subvaria	L	-II	7	"		
Eurylophella	L	I	1	"	imm	
Epeorus vitreus	L	-I	6	"		
Leucrocuta	L	-I	6	"		
Paraleptophlebia	L	X-III	18	"	dam/imm	
Micrasema	L	I	1	Wils 1985	imm	N
M. rusticum	L	III	4	"		
Glossosoma	L	-	5	Wils 1995	imm	N
G. nigrior	L	IIII	4	WymMor 2000		
Cheumatopsyche	L	-	5	Wils 1995		
Ceratopsyche alhedra	L	I	1	Schm Wils 1986		
C. slossonae	L	I	1	"		
C. sparna	L	-	5	"		
Lepidostoma	L	III	3	Wils 1995		
Chimarra aterrima	L	I	1	Wils 1982		
Dubraphia vittata	A	I	1	Wils Schm 1992		
Optioservus	L	X-I	16	"	imm	N
O. fastiditus L, 2 A, 2	L, A	IIII	4	"		
O. trivittatus L, 3 A, 2	L, A	-	5	"		
Stenelmis	L	II	2	"		N

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Stenelmis crenata	A	IIII	4	Hils Schm 1992		
Nigronia serricornis	L	IIII	4	Neu 1966		
Atherix variegata	L	I	1	Hils 1995		
Bezzia/Palpomyia	L	IIII	4	"		
Simulium tuberosum species complex	L	II	2	Adl et al 2004	exto	
Prosimulium	L	X	10	"	imm	
Dicranota	L	II	2	Hils 1995		
Mermithidae	A	I	1	Thorp/Rog 2016	imm	
Trombidiformes	A	I	1	Thorp/Rog 2016	dam	
Lumbriculus	A	BIIII	44	"		
~~Subfam Chironomidae~~	L	~~OTHER~~				
Zavrelimyia 08273000	L	I	1	Cran Epl 2013		
Thienemanniella group	L	II	2	"		
Nanocladius (Plecopteracoluthus)	L	II	2	And+3 2013	imm	N
N.(P.) species #5 Jacobsen	L	IIII	4	Epler 2001		
Orthocladius (Orthocladius)	L	1	1	And+3 2013		
Parachaetocladius	L	1	1	"		
Chironominae 08330000	L	1	1	Cranston 2013	ind indet	N
Microtendipes rydalensis group	L	1	1	Epl et al 2013		
Paratanytarsus longistilus	L	-	5	"		
Polypedilum (Uresipedilum) aviceps	L	II	2	Bolton 2012		
Rheotanytarsus	L	1	1	Epl et al 2013		
Tanytarsus	L	1	1	"		