

**Wadeable Macroinvertebrate
Field Data Report**

Form 3200-081 (R 8/14)

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Instructions: Bold fields must be completed.

Station Summary

Waterbody Name HAWKINS CREEK	Waterbody ID Code 2920300	Sample ID (YYYYMMDD-CY-FD) 20211018-04-01
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Sampling Location

Hawkins Cr US Snake Trail Rd	Database Key 288762817
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SWIMS Station ID

10039134

SWIMS Station Name

HAWKINS CREEK AT SNAKE TRAIL RD

Latitude

46.33574

Longitude

-90.96351

Lat/Long Determination Method (circle)

SWIMS SWDV GPS

Datum Used if using GPS

WGS84 or NAD83

Basin (WMU)

LAKE SUPERIOR

Watershed Name

MARENGO RIVER

County

BAYFIELD

Sample and Site Descriptors

Sample Collector (Last Name, First)

MARIA LEFEVRE

Project Name

UPPER MARENGO WATERSHED TWA

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 (m²)

1

Number of Samples in Composite

6

Replicate No. 1 **of** 1

Reason For Sampling

☐ Least Impacted Reference

☐ Baseline

☐ Impact / Treatment Site

☐ Control Site

☐ Trend

☒ Other: TWA

Water Temp. (C)

7.05

D.O. (mg/l)

11.18

D.O. (% sat.)

92.4

pH (su)

7.31

Conductivity (umhos/cm)

91

Transparency (cm)

>120

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)

0.1

Average Stream Width of reach (m)

2

Composition of Substrate Sampled (Percent):

Bedrock: _____	Boulders (basketball or larger): _____	Rubble (tennisball to basketball): <u>40</u>	Gravel (ladybug to tennisball): <u>60</u>
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Sand: _____	Clay: _____	Silt/Muck: _____	Overhanging Vegetation: _____
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Aquatic Macrophytes: _____	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>20</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	~	PL	Chlorine	~	~
- Filamentous Algae	~	PL	Dissolved Oxygen	~	~
- Planktonic Algae	~	~	Nutrients (P, N...)	~	~
Iron Bacteria	~	PL	Toxics: - Inorganic (Metals)	~	~
Macrophytes	~	PL	- Organic (PCBs, pesticides...)	~	~
Slimes	~	~	Other - Specify:		
Other - Specify:			Sources of Stream Impacts		
			Bank Erosion	PL	PL
			Point Source - Specify:	~	~
Physical			Pasturing of Livestock	~	~
Bank Erosion	PL	PL	Runoff: - Barnyard	~	~
Channelization: - Upstream	PL	~	- Construction	~	~
- Downstream	PL	~	- Cropland	~	~
Hydraulic Scour / Channel Incision	PL	PL	- Urban	~	~
Impoundment: - Upstream	~	PL	Septic Systems	~	~
- Downstream	~	PL	Tile Drainage - Organic Soils	~	~
Low Flow	~	~	- Mineral Soils	~	~
Sedimentation	~	PL	Springs	~	PL
Sludge	~	~	Tributary(s)	~	PL
Thermal	~	~	Wetland	~	PL
Turbidity	~	~	Other - Specify:		
Other - Specify:					

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter <i>Katherine McClure</i>	Taxonomist <i>Dimock, Jeffery</i>	Estimated Percent of Sample Sorted <i>7.8%</i>
Date Processed <i>6/8/2022</i>	Specimens Saved <i>Subsample archived on ABC until Aug 2025</i>	

C393: 26
C391: 19
C394: 46
C392:
D494: 45
D493: 28
D492:
D491:

164

Wisconsin Department of Natural Resources

ABL SampleNum: 20211018-04-01

Taxonomist: Dimick, Jeffrey

 Waterbody: Hawkins Creek
 SWIMS Database Key: 288762817

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Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Acerentoma ³⁰⁰ macdonoughi	L	✓	5	Kub 2016		
Baetis tricaudatus	L	8-11	38	"		
Ephemerella subvarva	L	1-11	9	"		
Epeorus vitreus	L	11	5	"		
Maccaffertium vicarium	L	1	1	"		
Rhythrocera	L	11	3	MCB 2019	imm/imm	N
R. impersonata	L	✓	5	Kub 2016		
R. jejuana	L	"	2	"		
Leptophlebiidae	L	1	1	MCB 2019	imm	N
Neoleptophlebia	L	x11	13	"	imm	N
N. mollis	L	✓	5	Kub 2016		
Gomphidae	L	"	2	MCB 2019	imm	
Allocaecia	L	✓	6	"		
Paracania angulata	L	x1	11	Hitch 1974		
Amphinemura	L	"	2	MCB 2019		
Isogenoides frontalis	L	"	2	Hils Bitt 1973		
Isoperla signata	L	11	3	Hils 1982		
I. transmarina	L	"	2	"		
Ceratopsyche	L	1	1	Hils 1985	imm	N
C. stlosserae	L	x✓	15	Schm Hils 1986		
C. sparna	L	11	2	"		
Lepidostoma	L	11	7	MCB 2019		
Dolophilodes distinctus	L	1	1	Hils 1985		
Oedroservus fastiditus	A	1	1	Hils Schm 1992		
Atherix variegata	L	11	3	Hils 1985		
Prosimulium	L	1	1	MCB 2019	imm	
Simulium tumensum species complex	L	1	1	Adl et al 2004		
Pteronarcys	L	11	2	MCB 2019		
Tipula	L	✓	1	"		
Basimmatophora	A	1	1	Thompson 2014	dam	
Lumbriculus	A	11	3	"		
Spit Az Chironomidae	L	x 300				
Parametridiopsis	L	1	1	And dal 2013		
Rhyacophila	L	1	1	"		
Conchapelona	L	1	1	"		
Helicoverla	L	1	1	"		

Taxonomist: Dimick, Jeffrey

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[illegible]