

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 <u>Whiskey Cr</u>	Waterbody ID Code <u>2922100</u>	Sample ID (YYYYMMDD-CY-FD) <u>20211014-04-01</u>
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Sampling Location

<u>Whiskey Cr Us of Confluence & Snake Trail Rd</u>	Database Key 288764080
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SWIMS Station ID

10055636

SWIMS Station Name

WHISKEY CREEK 165M US SNAKE TRAIL RD

Latitude

46.28479

Longitude

-90.93018

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)

1.5

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)

11.39

D.O. (mg/l)

9

D.O. (% sat.)

82.2

pH (su)

7.08

Conductivity (umhos/cm)

57

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)

3

Composition of Substrate Sampled (Percent):

Bedrock: _____	Boulders (basketball or larger): _____	Rubble (tennisball to basketball): <u>5</u>	Gravel (ladybug to tennisball): <u>50</u>
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Sand: <u>45</u>	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>30</u>	Canopy Cover at Sample Site (%) <u>30</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	PL	Chlorine	N	N
- Filamentous Algae	N	PL	Dissolved Oxygen	N	N
- Planktonic Algae	N	N	Nutrients (P, N...)	N	N
Iron Bacteria	N	PL	Toxics: - Inorganic (Metals)	N	N
Macrophytes	PL	PL	- Organic (PCBs, pesticides...)	N	N
Slimes	N	N	Other - Specify:		
Other - Specify:			Sources of Stream Impacts		
			Bank Erosion	PL	PL
			Point Source - Specify:	N	N
Physical			Pasturing of Livestock	N	N
Bank Erosion	PL	PL	Runoff: - Barnyard	N	N
Channelization: - Upstream	N	N	- Construction	N	N
- Downstream	N	N	- Cropland	N	N
Hydraulic Scour / Channel Incision	N	N	- Urban	N	N
Impoundment: - Upstream	N	N	Septic Systems	N	N
- Downstream	N	N	Tile Drainage - Organic Soils	N	N
Low Flow	N	N	- Mineral Soils	N	N
Sedimentation	N	PL	Springs	N	PL
Sludge	N	N	Tributary(s)	N	PL
Thermal	N	N	Wetland	PL	PL
Turbidity	N	N	Other - Specify:		
Other - Specify:					

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter Katherine McClure	Taxonomist Dimick Jeffery	Estimated Percent of Sample Sorted 156 / 9.4%
Date Processed 6/7/2022	Specimens Saved Subsample archived in ABC until Aug 2025	

135

C393:27 B494:21
C391:32 B492:17
C392:18 B493:20
C394 B491

Wisconsin Department of Natural Resources

ABL SampleNum: 20211014-04-01

Taxonomist: Dimick, Jeffrey

Waterbody: Whiskey Creek
SWIMS Database Key: 288764080

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Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Acerperina maddunoughi</i>	L III		3	KWb 2016		
<i>Ephemerella subvaria</i>	L III		4	"		
<i>Leptophlebiidae</i>	L III		3	MCB 2019	imm	N
<i>Neoleptophlebia</i>	L II		20	"	dam/imm	N
<i>N. mollis</i>	L -III		9	KWb 2016		
<i>Alloperina</i>	L I		1	MCB 2019		
<i>Paraperina angulata</i>	L XIII		14	Hatch 1974		
<i>Nemoura</i>	L I		1	MCB 2019	imm	
<i>Acroperina</i>	L II		2	"	imm	N
<i>A. lycarras</i>	L I		1	Hatch 1974		
<i>Paraperina media</i>	L III		21	Hils 1995		
<i>Perlidae</i>	L I		1	MCB 2019	dam	N
<i>Isoperla</i>	L I		5	"	imm	
<i>Microperla rusticum</i>	L I		1	Hils 1995		
<i>Glossosoma</i>	L III		4	MCB 2019	imm	N
<i>G. intermedium</i>	L II		2	Wynn Mar 2000		
<i>Ceratopsyche sparna</i>	L II		2	Schmidt 1986		
<i>Lepidostoma</i>	L II		2	MCB 2019		
<i>Proserpinus</i>	L XI		11	"	imm	N
<i>O. fastidius</i>	L I		6	Hils Schm 1992		
<i>O. trivittatus</i>	A I		1	"		
<i>Stenelmis</i>	L I		1	MCB 2019		
<i>Atherix variegata</i>	L II		2	Hils 1995		
<i>Bezia/Palomyra</i>	L II		2	"		
<i>Itomera dromia</i>	L II		2	MCB 2019		
<i>Dicranota</i>	L III		3	"		
<i>Pisidium</i>	A II		2	Thorp Reg 2016		
<i>Spirifer ammonitoides</i>	L XIII		18	"		
<i>Eukiefferiella boehmi group</i>	L I		1	Ar'et al 2013		
<i>Lopescladius</i>	L III		7	"		
<i>Parachaetocladius</i>	L I		1	"		
<i>Parameletrocnemus</i>	L I		1	"		
<i>Cladotanytarsus</i>	L II		2	"		
<i>Cherotanytarsus</i>	L I		1	"		
<i>Enchytraeidae</i>	A I		1	Thorp Reg 2016		
<i>Lumbriculidae</i>	A I		1	"		

Taxonomist: Dimick, Jeffrey

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[illegible]