

**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 Unnamed	Waterbody ID Code 2921700	Sample ID (YYYYMMDD-CY-FD) 20211018-04-03
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Sampling Location Unnamed Tribe to Marengo R. Us Wisco Rd	Database Key 288764076
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SWIMS Station ID 10055641	SWIMS Station Name UNNAMED TRIB (2921700) TO MARENGO R. 5M US WISCO RD.
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Latitude 46.29789	Longitude -91.01212	Lat/Long Determination Method (circle) SWIMS SWDV <u>GPS</u>	Datum Used if using GPS <u>WGS84</u> or NAD83
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Basin (WMU) Lake Superior	Watershed Name Marengo River	County Bayfield
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Sample and Site Descriptors

Sample Collector (Last Name, First) MARIA LEFEVRE	Project Name UPPER MARENGO WATERSHED TWA
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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. <u>1</u> of <u>1</u>
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Reason For Sampling

☐ Least Impacted Reference	☐ Baseline	☐ Impact / Treatment Site
☐ Control Site	☐ Trend	☒ Other: <u>TWA</u>

Water Temp. (C) 8.23	D.O. (mg/l) 10.5	D.O. (% sat.) 89.6	pH (su) 7.36	Conductivity (umhos/cm) 122	Transparency (cm) >120
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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)
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Measured Velocity circle units <u>m/s</u> or f/s	Average Stream Depth of reach (m) 0.2	Average Stream Width of reach (m) 1
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Composition of Substrate Sampled (Percent):

Bedrock: _____	Boulders (basketball or larger): <u>5</u>	Rubble (tennisball to basketball): <u>20</u>	Gravel (ladybug to tennisball): <u>35</u>
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Sand: <u>40</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>40</u>	Canopy Cover at Sample Site (%) <u>60</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	PL	PL	Dissolved Oxygen		
- Planktonic Algae	N	N	Nutrients (P, N...)		
Iron Bacteria		PL	Toxics: - Inorganic (Metals)		
Macrophytes		PL	- Organic (PCBs, pesticides...)		
Slimes		N	Other - Specify:		
Other - Specify:			Sources of Stream Impacts		
			Bank Erosion	PL	PL
			Point Source - Specify:	N	N
Physical			Pasturing of Livestock		
Bank Erosion	PL	PL	Runoff: - Barnyard		
Channelization: - Upstream	N		- Construction		
- Downstream	PL		- Cropland		
Hydraulic Scour / Channel Incision	PL		- Urban		
Impoundment: - Upstream	N		Septic Systems		
- Downstream			Tile Drainage - Organic Soils		
Low Flow		N	- Mineral Soils		
Sedimentation		PL	Springs		PL
Sludge		N	Tributary(s)		PL
Thermal			Wetland	PL	PL
Turbidity			Other - Specify:		
Other - Specify:					

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter <i>Katherine McClure</i>	Taxonomist <i>Dimick Jeffery</i>	Estimated Percent of Sample Sorted <i>6.3%</i>
Date Processed <i>6/9/2022</i>	Specimens Saved <i>Subsample archived in ABL under 1 Aug 2025</i>	

B191:41
 B194:48
 B192
 B193
 A494:16
 A491:30
 A493
 A492

(135)

	Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
	<i>Aesopina macyi</i>	L	I	1	Kub 2016		
36	<i>Baetis tricaudatus</i>	L	8-1	36	"		
35	<i>Ephemera aurivillii</i>	L	I	1	"		
	<i>Allocaenia</i>	L	II	2	MCB 2019		
	<i>Paracaenia angulata</i>	L	XII	13	Hitch 1974		
35	<i>Leuctra</i>	L	III	8	MCB 2019	imm	
	<i>Isonychia</i>	L	III	3	"	imm	N
46	<i>I. transmarina</i>	L	I	1	Hils 1982		
54	<i>Glossosoma intermedium</i>	L	I	1	Wynn Mar 2000		
40	<i>Parapsyche apicalis</i>	L	I	1	Hils 1995		
75	<i>Lepidostoma</i>	L	III	5	MCB 2019		
83	<i>Dolophlebia distinctus</i>	L	I	1	Hils 1995		
	<i>Rhyacophila</i>	L	II	2	MCB 2019	imm	N
96	<i>R. brunnea</i>	L	III	3	Pro Mar 2000		
	<i>Neophylax</i>	L	III	4	MCB 2019	imm	
	<i>Bezzia/palomyia</i>	L	I	1	Hils 1995		
	<i>Prosimulium</i>	L	X	10	MCB 2019	imm	
	<i>Simulium vittatum</i> species group (B10208)	L	I	1	Adl et al 2004		
	<i>Stegopterna</i>	L	III	4	MCB 2019		
	<i>Dicranota</i>	L	X	10	"		
	<i>Caecidochaetia racovitzai</i>	A	III	3	Will 1972		
	<i>Naididae</i>	A	I	1	Kath Ben 1998		Y
	<i>Pristina</i>	A	I	1	"		
	<i>Megadrili</i>	A	I	1	Thorp Reg 2016		
	<i>Split A2 Chironomidae</i>	L	III				
	<i>Brillia</i>	L	II	2	And et al 2013	imm	
	<i>Eukiefferiella brehmi</i> group	L	II	2	"		
	<i>Rhyacophila</i>	L	III	4	"		
	<i>Conchapelopia</i>	L	I	1	"		
	<i>Rhyacophila acra</i> group	L	I	1	"		
	<i>Zavrelimyia</i>	L	I	1	"		
	<i>Orthocladinae</i>	L	I	1	"	imm	N
	<i>Chaetocladius</i>	L	I	1	"		
	<i>Orthocladus (Orthocladus)</i>	L	III	3	"		
	<i>Microsestra</i>	L	XII	12	"		

> 3 taxa, TVAL ≤ 2.0

567 (0.1 x 122)