

Instructions: Bold fields must be completed.

Station Summary			
Waterbody Name UNNAMED		Waterbody ID Code 2922900	Sample ID (YYYYMMDD-CY-FD) 20211014-04-03
Sampling Location Unnamed Tribe to Marengo River DS FR 196			Database Key 288762878
SWIMS Station ID 10033473		SWIMS Station Name UNNAMED TRIBUTARY TO MARENGO RIVER-150M DOWNSTREAM TOWN RD 42	
Latitude 46.24711	Longitude -90.94338	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 (m ²) 1	Number of Samples in Composite 4	Replicate No. <u>1</u> of <u>1</u>
--------------------------------	-----------------------------------------------	-------------------------------------	------------------------------------

Reason For Sampling

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

Water Temp. (C) 11.71	D.O. (mg/l) 7.75	D.O. (% sat.) 71.5	pH (su) 7.31	Conductivity (umhos/cm) 97	Transparency (cm) >120
--------------------------	---------------------	-----------------------	-----------------	-------------------------------	---------------------------

Water Color <input type="checkbox"/> Clear <input type="checkbox"/> Turbid <input checked="" type="checkbox"/> Stained	Estimated Stream Velocity (m/s) <input type="checkbox"/> Slow (< 0.15 m/s) <input checked="" type="checkbox"/> Moderate (0.15 m/s - 0.5 m/s) <input type="checkbox"/> Fast (> 0.5 m/s)
---------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Measured Velocity circle units m/s or f/s	Average Stream Depth of reach (m) 0.4	Average Stream Width of reach (m) 3.5
--------------------------------------------------------	------------------------------------------	------------------------------------------

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): 5 Rubble (tennisball to basketball): 20 Gravel (ladybug to tennisball): 50
 Sand: 25 Clay: _____ Silt/Muck: _____ Overhanging Vegetation: _____
 Aquatic Macrophytes: _____ Leaf Snags: _____ Coarse Woody Debris: _____ Other (_____): _____

Embeddedness of Substrate at Sample Site (%) 50 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
Biological				Chemical			
Algae: - Diatoms / Periphyton		PL	PL	Chlorine		N	N
- Filamentous Algae		N	N	Dissolved Oxygen		↓	↓
- Planktonic Algae		N	N	Nutrients (P, N...)		↓	↓
Iron Bacteria		N	PL	Toxics: - Inorganic (Metals)		↓	↓
Macrophytes		PL	N	- Organic (PCBs, pesticides...)		↓	↓
Slimes		N	N	Other - Specify:			
Other - Specify:				Sources of Stream Impacts			
				Bank Erosion		PL	N
				Point Source - Specify:		N	↓
Physical				Pasturing of Livestock		↓	↓
Bank Erosion		PL	N	Runoff: - Barnyard		↓	↓
Channelization: - Upstream		N	↓	- Construction		↓	↓
- Downstream		N	↓	- Cropland		↓	↓
Hydraulic Scour / Channel Incision		↓	PL	- Urban		↓	↓
Impoundment: - Upstream		↓	PL	Septic Systems		↓	↓
- Downstream		↓	PL	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 Katherine McClure	Taxonomist Dimock, Jeffrey	Estimated Percent of Sample Sorted 1.6%
Date Processed 6/8/2022	Specimens Saved Subsample archived in ABL until Aug 2025	

A494:126 B292
 A493 B294
 A491 B293
 A492 B291

126

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Aceperna macdunnoughi</i>	L	-	5	Klob 2016		
<i>Caenis</i>	L	-1	6	MCB 2019	imm	N
<i>C-punctata</i>	L	-1	6	Klob 2016		
<i>Leptoklebia</i>	L		4	MCB 2019	imm	
<i>Hydropsyche betteni</i>	L		4	Schmitts 1986		
<i>Hydropsyche</i>	L		1	MCB 2019		
<i>Optiosenus</i>	L		3	"	dam/imm	
<i>Nemoura</i>	L	"	2	MCB 2019		
Simuliidae <i>Prosimulium</i>	L		1	APP? (1)	imm	
<i>Hyalella azteca</i>	A	(1	Sauer et al 2015		
Naididae	A)	2	Kath Bon 1998		
<i>Tribolonia</i> (with hairs)	A	"	2	"		
<i>Siphonura Chironomidae</i>	L	BY JY)				
<i>Siphonura Chironomidae</i>	L	- JY)				
<i>Parametopaenema</i>	L	-	8	And et al 2013		
<i>Tweberia bavarica</i> group	L		23	Bock 1983		
<i>Phobotanytarsus</i>	L	-	7	And et al 2013		
<i>Conchapelopia</i>	L		1	"		
<i>Zarembkella</i>	L		3	"		
<i>Thienemannimyia</i> group	L		1	"	imm	N
Orthocladinae	L		3	"	imm	N
<i>Chaetocladius</i>	L	"	2	"	imm	
<i>Cricotopus</i> (<i>Cricotopus</i>) <i>brennetus</i> group	L	"	2	"		
<i>Eukiefferiella brehmi</i> group	L		1	"		
<i>Nanocladius</i>	L	"	2	"	imm	
<i>Paracricotopus</i>	L	"	2	"		
<i>Chironominae</i>	L		3	"	not in det	N
<i>Microsestera</i>	L		1	"		
<i>Microtendipes nydalensis</i> group	L		1	"		
<i>Paratanytarsus</i> species A	L	-	7	Hills unpubl		
<i>Polypedilum</i> (<i>Uresipedilum</i>) <i>aviceps</i>	L	-	8	Baldan 2012		
<i>Stempellinella</i>	L		3	And et al 2013		
<i>Tanytarsus</i>	L	-	7	"		