

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>Unnamed</u>		Waterbody ID Code <u>2920800</u>	Sample ID (YYYYMMDD-CY-FD) <u>20210928-02-01</u>
Sampling Location <u>Unnamed Tibe to Morgan Cr 30m US County Line Rd</u>		Database Key 288764038	
SWIMS Station ID 10055639	SWIMS Station Name UNNAMED TIB TO MORGAN CREEK (2920800) 30M US COUNTY LINE RD		
Latitude <u>46.32664</u>	Longitude <u>-90.89655</u>	Lat/Long Determination Method (circle) SWIMS SWDV <u>GPS</u>	Datum Used if using GPS <u>WGS84</u> or NAD83
Basin (WMU) <u>Lake Superior</u>		Watershed Name <u>Marengo River</u>	County <u>Bay Ashland</u>

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) <u>2</u>	Estimated Area Sampled (m ²) <u>0.2</u>	Number of Samples in Composite <u>6</u>	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) <u>10.32</u>	D.O. (mg/l) <u>9.62</u>	D.O. (% sat.) <u>86</u>	pH (su) <u>7.41</u>	Conductivity (umhos/cm) <u>91</u>	Transparency (cm) <u>> 120</u>
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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) <u>0.1</u>	Average Stream Width of reach (m) <u>2</u>
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Composition of Substrate Sampled (Percent):

Bedrock: _____	Boulders (basketball or larger): _____	Rubble (tennisball to basketball): <u>20</u>	Gravel (ladybug to tennisball): <u>75</u>
Sand: <u>5</u>	Clay: _____	Silt/Muck: _____	Overhanging Vegetation: _____
Aquatic Macrophytes: _____	Leaf Snags: _____	Coarse Woody Debris: _____	Other (): _____

Embeddedness of Substrate at Sample Site (%) <u>0</u>	Canopy Cover at Sample Site (%) <u>90</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	Watershed	Factors that may be influencing Water Resource Integrity	Local	Watershed
Biological			Chemical		
Algae: - Diatoms / Periphyton	PL	PL	Chlorine	~	~
- Filamentous Algae	~	PL	Dissolved Oxygen	~	~
- Planktonic Algae	~	~	Nutrients (P, N...)	~	~
Iron Bacteria	~	PL	Toxics: - Inorganic (Metals)	~	~
Macrophytes	PL	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	~	~	- Construction	~	~
- Downstream	~	~	- Cropland	~	~
Hydraulic Scour / Channel Incision	~	~	- Urban	~	~
Impoundment: - Upstream	~	~	Septic Systems	~	~
- Downstream	~	~	Tile Drainage - Organic Soils	~	~
Low Flow	~	~	- Mineral Soils	~	~
Sedimentation	PL	PL	Springs	~	PL
Sludge	~	~	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>Demick, Jeffray</i>	Estimated Percent of Sample Sorted <i>12.5</i>
Date Processed <i>6/4/22</i>	Specimens Saved <i>Subsample archived in BBL until Aug 2025</i>	

B494:8: D191:19?
B492:7: D194:38
B491:16 D193:11
B493:20 D192:24

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Wisconsin Department of Natural Resources

ABL SampleNum: 20210928-02-01

Taxonomist: Dimick, Jeffrey

Body: Unnamed Tributary (2920800) to Morgan Creek

SWIMS Database Key: 288764038

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Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Acerpenna maddunoughi</i>	L	III	4	Kib 2016		
<i>Baetis tricaudatus</i>	L	IV	2	"		
<i>Ephemerella subvaria</i>	L	I	6	"		
<i>Eurylophella funeralis</i>	L	III	3	"		
<i>Leptophlebiidae</i>	L	II	2	MCB 2019	dam	N
<i>Neoleptophlebia</i>	L	X	10	"	imm	
<i>Paracappa angulata</i>	L	I	1	Hatch 1974		
<i>Leuctra</i>	L	I	5	MCB 2019	dam/imm	
<i>Agrionis renogis</i>	A	I	1	HIS 1995		
<i>Glossosoma</i>	L	III	4	MCB 2019	imm	N
<i>G. intermedium</i>	L	I	1	Wym Mar 2000		
<i>Hydropsychidae</i>	L	I	1	MCB 2019	imm	N
<i>Ceratomyza glossanae</i>	L	II	2	Schmidt 1986		
<i>Diphetrona modesta</i>	L	XII	12	HIS 1995		
<i>Hydropsyche betteni</i>	L	I	1	Schmidt 1986		
<i>Lepidostoma</i>	L	III	3	MCB 2019		
<i>Phycophila rufina group</i> (Zvibex?)	L	III	3	Mar Mar 2000		
<i>Stalio</i>	L	I	1	MCB 2019		
<i>Orthoservus fastidius</i>	A	I	1	Hasssch 1992		
<i>Tutania</i>	P	II	2	MCB 2019		
<i>Pteronema</i>	L	I	1	HIS 1995		
<i>Prosimulium</i>	L	II	2	MCB 2019	imm	
<i>Dixiana</i>	L	I	1	"		
<i>Limboporus</i>	A	X	10	Thompson 2016		
<i>Ephemerellidae</i>	A	I	1	"	dam	
<i>Entomobryomorpha</i>	A	I	1	MCB 2019		
<i>Spilota Chironomidae</i>	L	Byd 17				
<i>Spilota Chironomidae</i>	L	Byd 17				
<i>Conopsea</i>	L	I	1	And et al 2013		
<i>Parametopaemus</i>	L	II	2	"		
<i>Cladobambusa</i>	L	III	7	"		
<i>Rhabdambusa</i>	L	II	2	"		
<i>Theropelopia acra group</i>	L	I	1	Epler 2001		
<i>Zaurelomyia</i>	L	II	2	And et al 2013		
<i>Orthocladinae</i> (Euler?)	L	I	1	"	imm	N
<i>Thraemanniella</i>	L	I	1	"	imm	

[illegible]