

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name EIGHTEENMILE CREEK		Waterbody ID Code 2895900	Sample ID (YYYYMMDD-CY-FD) 20171020-04-01
Sampling Location 50 m US Old Hwy 63			Database Key 150692414
SWIMS Station ID 043097	SWIMS Station Name EIGHTEEN MILE CREEK - 20 M UPSTREAM OLD HWY 63 - STATION #3		
Latitude 46.36014	Longitude -91.12521	Lat/Long Determination Method (circle) SWIMS SWDV <u>GPS</u>	Datum Used if using GPS <u>WGS84</u> or NAD83
Basin (WMU) LAKE SUPERIOR		Watershed Name WHITE RIVER	County BAYFIELD

Sample and Site Descriptors

Sample Collector (Last Name, First) CRAIG P ROESLER, CHANG VANG	Project Name NOR LONG-TERM TREND WADEABLE REFERENCE STREAMS
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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) 1.5	Estimated Area Sampled (m²) 2	Number of Samples in Composite 3	Replicate No. 1 of 1
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Reason For Sampling

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

Water Temp. (C) 9.3	D.O. (mg/l) 10.9	D.O. (%sat.) 99	pH (su) 7.9	Conductivity (umhos/cm) 114	Transparency (cm) >120
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Water Color <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Stained	Estimated Stream Velocity (m/s) <input type="checkbox"/> Slow (< 0.15 m/s) <input type="checkbox"/> Moderate (0.15 m/s - 0.5 m/s) <input checked="" type="checkbox"/> Fast (> 0.5 m/s)
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Measured Velocity circle units m/s or f/s	Average Stream Depth of reach (m) 0.3	Average Stream Width of reach (m) 8
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 70 Gravel (ladybug to tennisball): 20
 Sand: 10 Clay: _____ Silt/Muck: _____ Overhanging Vegetation: _____
 Aquatic Macrophytes: _____ Leaf Snags: _____ Coarse Woody Debris: _____ Other (____): _____
 Embeddedness of Substrate at Sample Site (%) 20 Canopy Cover at Sample Site (%) 70

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				Chlorine			
- Filamentous Algae				Dissolved Oxygen			
- Planktonic Algae				Nutrients (P, N...)			
Iron Bacteria				Toxics: - Inorganic (Metals)			
Macrophytes				- Organic (PCBs, pesticides...)			
Slimes				Other - Specify:			
Other - Specify:				Sources of Stream Impacts			
				Bank Erosion			
				Point Source - Specify:			
Physical				Pasturing of Livestock			
Bank Erosion				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				Springs			
Sludge				Tributary(s)			
Thermal				Wetland			
Turbidity				Other - Specify:			
Other - Specify:							

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter <i>Sesse Oberg</i>	Taxonomist <i>Dimick Jeffrey</i>	Estimated Percent of Sample Sorted <i>40%</i>
Date Processed <i>10/3/18</i>	Specimens Saved <i>Subsample archived in ABC until Jan 2022</i>	

D2	26	2.5 hr	A1	29	1.5 hr	E2
C1	20	1 hr	B3	14	1 hr	
B2	25	1.5 hr	A2	31	1.5 hr	

145 9 hr
+7

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Paramecia rugulata</i>	L	11	2	Hitch 1974		
<i>Isogonides frontalis</i>	L	111	3	Hils Bill 1973		
<i>Pteronarys</i>	L	11	2	Hils 1995	imm	N
<i>Pt. cossata</i>	L	1	1	Hardmoe 1952		
<i>Taeniapteryx nivalis</i>	L	11	2	Foll Shaw 1960		
<i>Baetis tricaudatus</i>	L	11111	34	Kleb 2016		
<i>Ephemerella</i>	L	1111	9	"	imm	Y
<i>E. schwarzi</i>	L	1	1	"		
<i>Rhyacogena</i>	L	11	41	"	dev/imm	N
<i>Rh. impersonata</i>	L	1	5	"		
<i>Paraleptophlebia mollis</i>	L	1	1	"		
<i>Baetiscenus americanus</i>	L	1	1	Hils 1995		
<i>B. occidentalis</i>	L	1	1	"		
<i>Glossosoma intermedium</i>	L	1	1	Wynn Mar 2000		
<i>Lepidostoma</i>	L	111	4	Hils 1995		
<i>Dolophilodes distinctus</i>	L	111	3	"		
<i>Rhyacophila fuscata</i>	L	1	1	Pra Mar 2016		
<i>Neophyba</i>	L	1	1	Hils 1995	imm	
<i>D. fastidius</i>	L	1	1	Hils Schm 1992	imm	N
<i>Atherix variegata</i>	L	11	2	Hils 1995		
<i>Bezzia/Palpomysia</i>	L	1	1	"		
<i>Anatocha</i>	L	1	1	"		
<i>Aicmanota</i>	L	1	1	"		
<i>Neserocera columbiae</i>	L	11	2	"		
<i>Simulium</i>	P	1	1	Adl et al 2004		
<i>Orthocladus (Evertocladus)</i>	P	1	1	Fen et al 2008		
<i>O. (Orthocladus)</i>	P	1	1	Coff et al 1986		
<i>Split to Chironomidae</i>	L	1111111				
<i>Theromannimyia group</i>	L	1	1	Epl et al 2013	imm	
<i>Cardiaciadus obscurus</i>	L	11	7	Epler 2001		
<i>Eukiefferiella brehmi group</i>	L	1111	17	Andert 3 2013		
<i>Parameletia nemus</i>	L	1	1	"		
<i>Wanocladus (Plecoptera coluthus)</i>	L	1	1	"	imm	
<i>Polypedilum</i>	L	1	1	Epl et al 2013	mt/indet	