

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name NORTH FORK WHITTLESEY CREEK		Waterbody ID Code 2887500	Sample ID (YYYYMMDD-CY-FD) 20171020-04-03
Sampling Location 80 m DS Cozy Corner Rd			Database Key 150692433
SWIMS Station ID 10013525		SWIMS Station Name NORTH FORK WHITTLESEY CREEK- DOWNSTREAM OF COZY CORNER ROAD- ST	
Latitude 46.61641	Longitude -91.01782	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 BAYFIELD PENINSULA SOUTHEAST	County BAYFIELD

Sample and Site Descriptors

Sample Collector (Last Name, First) CRAIG P ROESLER, CHANG VANG	Project Name NORTH DISTRICT NC STREAM STRATIFIED SITES 2017
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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) 3	Estimated Area Sampled (m²) 6	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: _____

Water Temp. (C) 9.2	D.O. (mg/l) 10.9	D.O. (%sat.) 98	pH (su) 7.3	Conductivity (umhos/cm) 51	Transparency (cm) 90
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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)

Measured Velocity circle units m/s or f/s	Average Stream Depth of reach (m) 0.25	Average Stream Width of reach (m) 3
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): 60 Rubble (tennisball to basketball): 20 Gravel (ladybug to tennisball): 20
 Sand: _____ Clay: _____ Silt/Muck: _____ Overhanging Vegetation: _____
 Aquatic Macrophytes: _____ Leaf Snags: _____ Coarse Woody Debris: _____ Other (____): _____

Embeddedness of Substrate at Sample Site (%) 40
Canopy Cover at Sample Site (%) 100

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>Kayla Wilcox</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>13%</i>
Date Processed <i>6/20/18</i>	Specimens Saved <i>subsample archived in MBL until Oct 2021</i>	

A1 = 110

D2 = 213

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Alloperla	L	0-1547	33	Hils 1995		
Paraperla angulata	L	BBW1	86	Hils 1974		
Leuctra	L	I	1	Hils 1995	imm	
Nemouridae	L	I	1	"	imm	
Perlidae	L	-III	8	"	imm	N
Isoperla	L	II	2	"	imm	N
Iceta	L	I	1	Hils 1982		
Aeoperla	L	-I	6	Kleb 2016	dam	N
A. macdunnoughi	L	III	5	"		
Eurylophella	L	I	1	"	imm	
Heptageniidae	L	I	1	"	imm	N
Leucroaste	L	-III	9	"		
Maccaffertium	L	III	3	"	imm	
Leptophlebiidae	L	XIII	14	"	dam/imm	N
Para-leptophlebia	L	III	22	"		
Baetis tricaudatus	L	I	1	"		
Cardulegaster maculata	L	I	1	Need et al 2000		
Glossosoma	L	III	3	Hils 1995	imm	N
G. intermedium	L	II	2	Wym Mar 2000		
Hydropsychidae	L	I	1	Hils 1995	dam	N
Cheumatopsyche	L	II	2	"		
Hydropsyche	L	II	2	"	imm	N
H. betteni	L	III	3	Schm Hils 1986		
Dipterona modesta	L	-II	7	Hils 1995		
Ceratopsyche	L	II	2	"	imm	N
C. slossonae	L	II	2	Schm Hils 1986		
Lepidostoma	L	III	4	Hils 1995		
Limnephilidae	L	I	1	"	imm	
Zhyacophila vibax	L	-I	6	Hils unpubl		
Neophylax	L	II	2	Hils 1995	imm	
Optiservus	L	III	4	Hils Schm 1992	imm	N
O. fastiditus	L	II	2	"		
Stenelmis crenata	A	I	1	"		
Bezzia/palpomysia	L	I	1	Hils 1995		
Ceratopogon culicoidithorax	L	I	1	"		
Simuliidae	L	III	24	Coat Mer 2008	imm	N
Prosimulium	L	III	24	Adler et al 2008	imm	
Simulium tuberosum species group	L	I	1	"		

