

Instructions: Bold fields must be completed.

Station Summary			
Waterbody Name MOOSE EAR CREEK		Waterbody ID Code 2089600	Sample ID (YYYYMMDD-CY-FD) 20161004-55-01
Sampling Location @ CTH W upstream		Database Key 138490169	
SWIMS Station ID 10029349	SWIMS Station Name MOOSE EAR CREEK 10 M UPSTREAM OF CTH W CULVERT		
Latitude	Longitude	Lat/Long Determination Method (circle) SWIMS SWDV <u>GPS</u>	Datum Used if using GPS WGS84 or <u>NAD83</u>
Basin (WMU) LOWER CHIPPEWA	Watershed Name LAKE CHETEK	County RUSK	

Sample and Site Descriptors	
Sample Collector (Last Name, First) JOSEPH CUNNINGHAM	Project Name NOR LONG-TERM TREND WADEABLE REFERENCE STREAMS

Sampling Device

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 min	Estimated Area Sampled (m ²) 1 m ²	Number of Samples in Composite 3-20 second kicks	Replicate No. _____ of _____
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Reason For Sampling

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

Water Temp. (C) 13.9	D.O. (mg/l) 9.2	D.O. (% sat.) 88.7	pH (su) probe issue	Conductivity (umhos/cm) 112	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 checked="" type="checkbox"/> Moderate (0.15 m/s - 0.5 m/s) <input 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) 0.2	Average Stream Width of reach (m) 1.5 m
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 25 Gravel (ladybug to tennisball): 35
 Sand: 15 Clay: _____ Silt/Muck: _____ Overhanging Vegetation: _____
 Aquatic Macrophytes: _____ Leaf Snags: 15 Coarse Woody Debris: _____ Other (_____): _____

Embeddedness of Substrate at Sample Site (%) 10% Canopy Cover at Sample Site (%) 80%

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		U	U
				Point Source - Specify:			
				Pasturing of Livestock			U
Bank Erosion		U	U	Runoff: - Barnyard			U
Channelization: - Upstream				- Construction			
- Downstream				- Cropland			U
Hydraulic Scour / Channel Incision				- Urban			
Impoundment: - Upstream				Septic Systems			
- Downstream			U	Tile Drainage - Organic Soils			
Low Flow				- Mineral Soils			
Sedimentation				Springs			
Sludge				Tributary(s)			
Thermal				Wetland		U	U
Turbidity				Other - Specify:			
Other - Specify:							

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter <i>Royla Wilcox</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>7%</i>
Date Processed <i>10/11/17</i>	Specimens Saved <i>Subsample archived in ABL until Dec 2020</i>	

A3-227

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Allocaenia	L	II	2	Nilsenhoff 1995		
Paracania angulata	L	X-III	18	Hitchcock 1974		
Acronyria	L	I	1	Nilsenhoff 1995		
Paragnetina media	L	-	5	"		
Isonetia signata	L	-	5	Nilsenhoff 1992		
Taeniopteryx	L	0-III	30	Nilsenhoff 1995	imm	
Baetis brunneicolar	L	I	1	Klueberbanz 2016		
Acerpenna	L	II	2	"	dam	
Ephemerella subvaria	L	III	34	"		
Hypageniidae	L	II	3	Levins/Nix	dam	Y
Epeorus vitreus	L	X-1	16	"		
Maccaffertium	L	I	1	"	imm	Y
M. vicarium	L	I	1	"		
Lepidophlebia	L	I	1	"	imm	
Paraleptophlebia	L	0-II	22	"	dam/imm	N
P. mollis	L	I	1	"		
Boyeria vinosa	L	I	1	Need et al 2000		
Calopteryx maculata	L	I	1	West, May 1996		
Micrasema rusticum	L	I	1	Nilsenhoff 1995		
Glossopsoma	L	I	1	Nilsenhoff 1995	imm	N
G. intermedium	L	I	1	Wymer, Morse 2000		
Proptera	L	I	1	Nilsenhoff 1995		
Hydropsyche betteni	L	II	2	Behm, Nils. 1984		
Ceratopsyche glossonae	L	-	5	"		
C. sparna	L	-1	6	"		
Lepidostoma	L	II	2	Nilsenhoff 1995		
Limnephilidae	L	I	1	"	imm	
Neophylax	L	I	1	"	imm	
Nicronia serricornis	L	II	2	Nauzig 1966		
Nethrus striatus	A	I	1	Nils, Schm. 1992		
Opatroservus	L	III	3	"	imm	N
O. fastidiosus	L, A	II	2	"		
Atherix variegata	L	III	3	Nilsenhoff 1995		
Bezia/palpomya	L	I	1	"		
Hemerodromia	L	I	1	Cord, Morr. 2008		
Simulium tuberosum Species Group	L	I	1	Adler et al 2004		
Chrysops	L	I	1	Nilsenhoff 1995		
Dicranota	L	I	1	"		

