

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name MOOSE EAR CREEK	Waterbody ID Code 2089600	Sample ID (YYYYMMDD-CY-FD) 20211019-55-05
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Sampling Location @ CTH W upstream	Database Key 293647381
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SWIMS Station ID 10029349	SWIMS Station Name MOOSE EAR CREEK 10 M UPSTREAM OF CTH W CULVERT
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Latitude	Longitude	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
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Basin (WMU) LOWER CHIPPEWA	Watershed Name LAKE CHETEK	County RUSK
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Sample and Site Descriptors

Sample Collector (Last Name, First) JOSEPH CUNNINGHAM	Project Name NOR LONG-TERM TREND WADEABLE REFERENCE STREAM
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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 min	Estimated Area Sampled (m²) 1 m ²	Number of Samples in Composite 3 - 20 second kicks	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) 10.9	D.O. (mg/l) 10.4	D.O. (% sat.) 98.4	pH (su)	Conductivity (umhos/cm) 158	Transparency (cm) 2/20
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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 m	Average Stream Width of reach (m) 3.0 m
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 20 Gravel (ladybug to tennisball): 50
 Sand: 20 Clay: _____ Silt/Muck: _____ Overhanging Vegetation: _____
 Aquatic Macrophytes: _____ Leaf Snags: 10 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	Watershed	Factors that may be influencing Water Resource Integrity		Local	Watershed
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		PL	U
				Point Source - Specify:			
				Pasturing of Livestock			
Physical				Runoff: - Barnyard			
Bank Erosion		PL	U	- Construction			
Channelization: - Upstream				- Cropland			
- Downstream				- Urban			
Hydraulic Scour / Channel Incision				Septic Systems			
Impoundment: - Upstream				Tile Drainage - Organic Soils			
- Downstream				- Mineral Soils			
Low Flow				Springs			
Sedimentation				Tributary(s)			
Sludge				Wetland			
Thermal				Other - Specify:			
Turbidity							
Other - Specify:							

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter NORDSTROM, ABIGAIL	Taxonomist Dimock, Jeffrey	Estimated Percent of Sample Sorted R1: 4.7 / R2: 6.2
Date Processed 10/17/2022 R2 10/20/2022	Specimens Saved Subsample archived in ABSL until Jan 2026	

R1 - C3 q3-51 → A1 q1-42
 q2-44
 q1
 q4
 R2 - D2 q4-20
 q2-30
 q1-
 q3-
 B4 q2-56
 q3-64
 q4-
 q1- [170]

Taxa	Life Stage	Organism Count			Taxonomic Reference	Condition	Unique Taxon
		Rep 1	Rep 2	Rep 3			
<i>Baetis tricaudatus</i>	L	7	20		Klub 2016		
<i>B. Flavistriga</i> species complex	L	0	2		"		
<i>Ephemerella subvaria</i>	L	13	11		"		
<i>Epeorus vitreus</i>	L	11	16		"		
<i>Leucrocuta</i>	L	2	2		MCB 2019		
Leptophlebiidae	L	1	1		"	dam	N
<i>Leptophlebia</i>	L	1	0		"	dam	
<i>Neoleptophlebia</i>	L	32	35		"	dam/imm	N
<i>N. mollis</i>	L	2	0		Klub 2016		
<i>Boyeria vinosa</i>	L	1	0		Tennissen 2019		
<i>Allanoria</i>	L	1	1		MCB 2019		
<i>Paracania angulata</i>	L	6	8		Hitch 1974		
Chloroperlidae	L	1	0		MCB 2019	imm	
<i>Amphidemora</i>	L	2	0		"		
<i>Acroaenica</i>	L	1	0		"	imm	
<i>Paragnathia media</i>	L	1	0		Hils 1995		
<i>Isoperla signata</i>	L	2	2		Hils 1982		
<i>Taeniopteryx burksi</i>	L	1	3		Full Stew 1980		
<i>Ceratopsyche</i>	L	1	0		MCB 2008	dam	N
<i>C. slossonae</i>	L	0	24		Schm Hils 1986		
<i>C. sparna</i>	L	4	1		"		
<i>Hydropsyche betteri</i>	L	1	2		"		
<i>Neophylax</i>	L	4	1		MCB 2019	imm	
Limnephilidae	L	0	1		"	imm	
<i>Nigronia semicarnis</i>	L	2	0		Meunzig 1966		
<i>Optioservus</i>	L	2	6		MCB 2019	imm	N
<i>O. fastidicus</i> 22 L10 A, 2	LA	0	3		Hils Schm 1992		
<i>Atherix variegata</i>	L	1	2		Hils 1995		
<i>Nemerodromia</i>	L	2	1		MCB 2019		
<i>Dicoelota</i>	L	1	0		"		
<i>Pisidium</i>	A	0	1		Trump 2016		
Tubificinae (with hairs)	A	0	1		Kath Bin 1998		
Sprecheridae	A	1	0		Peck et al 1990		
split to Chironomidae	L	24	20	30			
<i>Cerchapelopia</i>	L	0	1		Ander et al 2013		
<i>Zavelomyia</i>	L	1	0		"		
<i>Nanocladius (Plecoptera coluthus)</i>	L	2	0		"	imm	
<i>Parametriocheilus</i>	L	0	1		"		
chironomidae	L	1	3		"	not indent imm	N

