

**Instructions:** Bold fields must be completed.

Station Summary			
<b>Waterbody Name</b> MOOSE EAR CREEK		<b>Waterbody ID Code</b> 2089600	<b>Sample ID (YYYYMMDD-CY-FD)</b> 20180927-55-01
<b>Sampling Location</b> Moose Ear Creek upstream of CTH W			<b>Database Key</b> 168632812
<b>SWIMS Station ID</b> 10029349		<b>SWIMS Station Name</b> MOOSE EAR CREEK 10 M UPSTREAM OF CTH W CULVERT	
<b>Latitude</b> 45.45217	<b>Longitude</b> -91.49918	<b>Lat/Long Determination Method (circle)</b> SWIMS SWDV <u>GPS</u>	<b>Datum Used if using GPS</b> WGS84 or NAD83
<b>Basin (WMU)</b> LOWER CHIPPEWA		<b>Watershed Name</b> LAKE CHETEK	<b>County</b> RUSK

Sample and Site Descriptors	
<b>Sample Collector (Last Name, First)</b> JOSEPH CUNNINGHAM	<b>Project Name</b> NOR LONG-TERM TREND WADEABLE REFERENCE STREAM

**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

<b>Total Sampling Time (min)</b> 1 min.	<b>Estimated Area Sampled (m<sup>2</sup>)</b> 1 m <sup>2</sup>	<b>Number of Samples in Composite</b> 2-30 second Kicks	<b>Replicate No.</b> 1 <b>of</b> 1
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**Reason For Sampling**

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

<b>Water Temp. (C)</b> 9.2	<b>D.O. (mg/l)</b> 10.4	<b>D.O. (% sat.)</b> 90.2	<b>pH (su)</b> 7.9	<b>Conductivity (umhos/cm)</b> 91.6	<b>Transparency (cm)</b> >120
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<b>Water Color</b> <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Stained	<b>Estimated Stream Velocity (m/s)</b> <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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<b>Measured Velocity</b> circle units m/s or f/s	<b>Average Stream Depth of reach (m)</b> 0.25	<b>Average Stream Width of reach (m)</b> 3.8 m
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**Composition of Substrate Sampled (Percent):**

Bedrock: \_\_\_\_\_ Boulders (basketball or larger): \_\_\_\_\_ Rubble (tennisball to basketball): 60 Gravel (ladybug to tennisball): 30  
 Sand: 10% Clay: \_\_\_\_\_ Silt/Muck: \_\_\_\_\_ Overhanging Vegetation: \_\_\_\_\_  
 Aquatic Macrophytes: \_\_\_\_\_ Leaf Snags: \_\_\_\_\_ Coarse Woody Debris: \_\_\_\_\_ Other ( ): \_\_\_\_\_

**Embeddedness of Substrate at Sample Site (%)** 10%     
**Canopy Cover at Sample Site (%)** 70%

**Stream and Watershed Descriptors**

N = Not a problem      PL = Present, Low Impact  
 U = Uncertain          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
<b>Biological</b>				<b>Chemical</b>			
Algae: - Diatoms / Periphyton				Chlorine			
- Filamentous Algae				Dissolved Oxygen			
- Planktonic Algae				Nutrients (P, N...)			
Iron Bacteria		U	U	Toxics: - Inorganic (Metals)			
Macrophytes				- Organic (PCBs, pesticides...)			
Slimes				Other - Specify:			
Other - Specify:				<b>Sources of Stream Impacts</b>			
				Bank Erosion		PL	PL
				Point Source - Specify:			
<b>Physical</b>				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				Springs			
Sludge				Tributary(s)			
Thermal				Wetland		N	N
Turbidity				Other - Specify:			
Other - Specify:							

Comments

Special Instructions for Laboratory

For Lab Use Only		
Sample Sorter <i>Abby Adams</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>7%</i>
Date Processed <i>10-15-19</i>	Specimens Saved <i>Subsample archived in ABC until Jan 2022</i>	

*DZ ISI*

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Baetis brunneicolor</i>	L	11	2	Klub 2016		
<i>Ephemerella subvarra</i>	L	-1111	9	"		
<i>Epeorus vitreus</i>	L	x1111	14	"		
<i>Leucocota</i>	L	x11	12	"		
<i>Maccaffertium vicarium</i>	L	1	1			
<i>Paraleptophlebia</i>	L	x-11	17	"	dam/imm	N
<i>P. mollis</i>	L	1	1	"		
<i>Cordulegaster</i>	L	1	1	Tennessen 2009	imm	
<i>Paracnemia angulata</i>	L	x1	11	Hitch 1974		
<i>Acroneuria lycarras</i>	L	11	2	"		
<i>Paragnetina medea</i>	L	1	1	Hils 1995		
<i>Isoperla signata</i>	L	11	2	Hils 1982		
<i>Taeniopteryx</i>	L	11	2	Hils 1995		
<i>Glossosoma</i>	L	111	3	"	imm	N
<i>G. intermedium</i>	L	1	1	Wym Mar 2000		
<i>Protophila</i>	L	1111	4	Hils 1995		
<i>Ceratopsyche glossosomae</i>	L	-111	8	Schm Hils 1986		
<i>C. sparna</i>	L	1	1	"		
<i>Hydropsyche</i>	L	11	2	Hils 1995	imm	N
<i>H. betteni</i>	L	1	5	Schm Hils 1986		
<i>Lepidostoma</i>	L	1111	4	Hils 1995		
<i>Limnephilidae</i>	L	1	1	"	imm	
<i>Neophylax</i>	L	1	1	"		
<i>Optiosecurus</i>	L	01111	24	Hils Schm 1992	imm	N
<i>O. fastiditus</i>	A	1	1	"		
<i>Atherix variegata</i>	L	11	2	Hils 1995		
<i>Ceratopogon culicoides/thorax</i>	L	1	1	"		
<i>Bezzia/Palpomya</i>	L	2	1	"		
<i>Hemerodromia</i>	L	1	1	Court Merr 2008		
<i>Dicranota</i>	L	11	2	Hils 1995		
<i>Nigronia semicarnis</i>	L	11	2	Nemzog 1966		
<i>Dugesidae</i>	A	1	1	Thorp Bog 2016		
<i>Tubificornae (with hairs)</i>	A	1	1	Klemm 1985		
<del>Split of Chironomidae</del>	L	111111				
<i>Tanyptera</i> 08270000	L	1	1	Cranston 2013	imm	
<i>Orthocladius</i> 08300000	L	1	1	"	not idet	N
<i>Nannocladius (Plecopteracladius) spears</i> #5 Jacobsen	L	11	2	Epler 2001		

