

Wadeable Macroinvertebrate Field Data Report

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name MOOSE EAR CREEK	Waterbody ID Code 2089600	Sample ID (YYYYMMDD-CY-FD) MEC-01 20170921-55-01
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Sampling Location ~ 90 m upstream of CTH W, 11:30	Database Key 148126951
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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 45.45216	Longitude -91.49908	Lat/Long Determination Method (circle) SWIMS SWDV <u>GPS</u>	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 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 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) 12.9	D.O. (mg/l) 10.0	D.O. (%sat) 92.2	pH (su) 7.7	Conductivity (umhos/cm) 129.3	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 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): 30 Gravel (ladybug to tennisball): 50
 Sand: 5 Clay: _____ Silt/Muck: _____ Overhanging Vegetation: _____
 Aquatic Macrophytes: _____ Leaf Snags: 10 Coarse Woody Debris: _____ Other (5): Fine woody/detritus

Embeddedness of Substrate at Sample Site (%) 10%
Canopy Cover at Sample Site (%) 50%

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		U		Toxics: - Inorganic (Metals)			
Macrophytes				- Organic (PCBs, pesticides...)			
Slimes				Other - Specify:			
Other - Specify:				Sources of Stream Impacts			
				Bank Erosion		U	U
				Point Source - Specify:			
Physical							
Bank Erosion		PL	U	Pasturing of Livestock			
Channelization: - Upstream				Runoff: - Barnyard			
- Downstream				- Construction			
Hydraulic Scour / Channel Incision				- Cropland			
Impoundment: - Upstream				- Urban			
- Downstream				Septic Systems			
Low Flow				Tile Drainage - Organic Soils			
Sedimentation		U	U	- Mineral Soils			
Sludge				Springs		U	U
Thermal				Tributary(s)			
Turbidity				Wetland		U	U
Other - Specify:				Other - Specify:			

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter <i>Sam Camarcho</i>	Taxonomist <i>Dimick Jeffrey</i>	Estimated Percent of Sample Sorted <i>13%</i>
Date Processed <i>11/10/18</i>	Specimens Saved <i>subsample archived in ABC until Feb 2022</i>	

1A 2E
 92 142
 234 total

Wisconsin Department of Natural Resources

ABL SampleNum: 20170921-55-01

Taxonomist: Dimick, Jeffrey

Waterbody: Moose Ear Creek

SWIMS Database Key: 148126951

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Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Paracapnia angulata</i>	L	X-III	20	Hitch 1974		
<i>Haploperla</i>	L	I	1	Hils 1995	imm	
<i>Isoperla signata</i>	L	II	2	Hils 1982		
<i>Taeniopteryx</i>	L	II	2	Hils 1995	imm	
<i>Isoperla</i>	L	I	1	"	imm	N
Ephemerellidae	L	I	1	Klub 2016	dam	N
<i>Ephemerella invaria</i>	L	I	1	"		
<i>E. subvaria</i>	L	X-III	38	"		
Neptageniidae	L	I	1	"	dam	N
<i>Epeorus vitreus</i>	L	-III	9	"		
Leucocrota	L	X-IV	13	"		
<i>Maccaffertium</i>	L	III	3	"	imm	Y
<i>M. vicarium</i>	L	-	5	"		
<i>Paraleptophlebia</i>	L	B-IV	43	"	dam/imm	N
<i>P. mellis</i>	L	-II	7	"		
<i>Cordulegaster maculata</i>	L	I	1	Need et al 2000		
<i>Glossosoma intermedium</i>	L	III	4	Wynn Mar 2000		
Hydropsychidae	L	II	2	Hils 1995	dam/imm	N
<i>Chromatopsyche</i>	L	I	1	"		
<i>Hydropsyche betteni</i>	L	X	10	Schm Hils 1986		
<i>Ceratopsyche slossmorei</i>	L	X-II	17	"		
<i>C. sparna</i>	L	III	3	"		
<i>Lepidostoma</i>	L	III	3	Hils 1995		
Limnephilidae	L	I	1	"	imm	
<i>Lype diversa</i>	L	II	2	"		
<i>Nigronia serricornis</i>	L	II	2	Neun 1966		
<i>Otioceratus</i>	L	III	3	Hils Schm 1992	imm	N
<i>O. fastiditus</i> L.1 A.2	L, A	III	3	"		
<i>Nemerodromia</i>	L	III	4	Coat Mar 2000		
<i>Antocha</i>	L	I	1	Hils 1995		
<i>Dicranota</i>	L	-	5	"		
<i>Pseudolimnophila</i>	L	III	3	"		
<i>Agrayobates</i>	A	I	1	Pluch 1984		
Naididae	A	I	1	Bainfeld 1961		
<i>Metacynophora</i>	A	I	1	Thorp Res 2016		
<i>Ferrissia</i>	A	I	1	"		

