

Instructions: Bold fields must be completed.

Station Summary			
Waterbody Name LOULER CREEK		Waterbody ID Code 2111000	Sample ID (YYYYMMDD-CY-FD) LC-01 20170921-55-06
Sampling Location Upstream N. Bucks Lake Road			Database Key 148126943
SWIMS Station ID 10029348		SWIMS Station Name LOULER CREEK 23 M UPSTREAM OF BUCKS LAKE RD.	
Latitude 45.59540	Longitude -91.47099	Lat/Long Determination Method (circle) SWIMS SWDV <u>GPS</u>	Datum Used if using GPS WGS84 or NAD83
Basin (WMU) LOWER CHIPPEWA		Watershed Name RED CEDAR LAKE	County RUSK
Sample and Site Descriptors			
Sample Collector (Last Name, First) JOSEPH CUNNINGHAM		Project Name NORTH DISTRICT NC STREAM STRATIFIED SITES 2017	
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
Reason for Sampling			
☐ Least Impacted Reference ☐ Baseline ☐ Impact / Treatment Site ☐ Control Site ☐ Trend ☐ Other: _____			
Water Temp. (C) 13.1	D.O. (mg/l) 9.9	D.O. (% sat.) 93.3	pH (su) 7.7
Conductivity (umhos/cm) 127.1		Transparency (cm) >120	
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) 0.2	Average Stream Width of reach (m) 3.0 m
Composition of Substrate Sampled (Percent):			
Bedrock: _____ Boulders (basketball or larger): _____		Rubble (tennisball to basketball): 35 Gravel (ladybug to tennisball): 25	
Sand: 20 Clay: _____		Silt/Muck: _____ Overhanging Vegetation: _____	
Aquatic Macrophytes: _____ Leaf Snags: 20		Coarse Woody Debris: _____ Other (____): _____	
Embeddedness of Substrate at Sample Site (%) 20%		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	U	U	Toxics: - Inorganic (Metals)		
Macrophytes			- Organic (PCBs, pesticides...)		
Slimes			Other - Specify:		
Other - Specify:			Sources of Stream Impacts		
			Bank Erosion	U	U
Physical			Point Source - Specify:		
Bank Erosion	U	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			- Mineral Soils		
Sludge			Springs		
Thermal			Tributary(s)		
Turbidity			Wetland	U	U
Other - Specify:			Other - Specify:		

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter Jesse Oberg	Taxonomist Dimitry J. J. J. J.	Estimated Percent of Sample Sorted 15%
Date Processed 09/05/18	Specimens Saved Subsample archived in ABL until Dec 2021	

C1 89 2 hr

C3 130 2 hr

A3 1 parula

Taxa	Life Stage	Benthic Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Psephenus angulatus</i>	L	xiii	17	Hitch 1974		
<i>Nemoura trispinosa</i>	L	I	1	Hils 1995		
<i>Isoperla signata</i>	L	II	5	Hils 1992		
<i>Taeniopteryx</i>	L	-III	8	Hils 1995	imm	
<i>Baetidae</i>	L	I	1	Kub 2016	dam	N
<i>Baetis brunneicollis</i>	L	-I	6	"		
<i>Acroneuria mackinnoni</i>	L	III	3	"		
<i>Ephemerella subvaria</i>	L	x-III	16	"		
<i>Hemipteridae</i>	L	I	1	"	dam	N
<i>Ephemerella vitreus</i>	L	I	1	"		
<i>Leucocrota</i>	L	II	2	"		
<i>Maccaffertium</i>	L	III	3	"		
<i>Psephenus</i>	L	III	33	"	dam/imm	N
<i>P. nigris</i>	L	-III	8	"		
<i>Microsema gelidum</i>	L	I	1	Hils 1995		
<i>Glossosoma intermedium</i>	L	-I	6	Wynn Mar 2000		
<i>Chironomus</i>	L	-III	8	Hils 1995		
<i>Hydropsyche</i>	L	III	3	"	imm	N
<i>H. betteni</i>	L	x-I	4	Schmitt Hils 1996		
<i>Ceratopsyche glossosoma</i>	L	x-III	18	"		
<i>Leuctostoma</i>	L	-I	6	Hils 1995		
<i>Chironomus aterrima</i>	L	III	3	Hils 1992		
<i>Polycnemus</i>	L	II	2	Hils 1995		
<i>L. lyne diversa</i>	L	I	1	"		
<i>Chironomus vibex</i>	L	II	2	Hils 1996		
<i>Nigronia</i>	L	-I	6	Hils 1995	imm	
<i>Oniscus</i>	L	III	3	Hils Schmitt 1992	imm	N
<i>O. festidictus</i>	L	III	3	"		
<i>Atterix variegata</i>	L	I	1	Hils 1995		
<i>Bezzia/Palpusia</i>	L	I	1	"		
<i>Dicosmella</i>	L	-III	8	"		
<i>Trichia</i>	L	III	3	"		
<i>Tritonia</i>	P	II	2	Ferr et al 2008		N
<i>Gammarus pseudolimnensis</i>	A	I	1	Hils 1972		
<i>Cladocera</i>	A	I	1	Thorp Reg 2016	post frag	
<i>Laocope fuscus</i>	A	I	1	"		

Taxonomist: Dimick, Jeffrey

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[illegible]