

Instructions: Bold fields must be completed.

Station Summary			
Waterbody Name LAWRENCE CREEK		Waterbody ID Code 167100	Sample ID (YYYYMMDD-CY-FD) 20181002-39-01
Sampling Location			Database Key 168360358
SWIMS Station ID 393123		SWIMS Station Name LAWRENCE CREEK - LAWRENCE CREEK	
Latitude 43.894688	Longitude -89.56994	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
Basin (WMU) UPPER FOX		Watershed Name MONTELLO RIVER	County MARQUETTE

Sample and Site Descriptors	
Sample Collector (Last Name, First) DAVID BOLHA	Project Name NER 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

Total Sampling Time (min) 2	Estimated Area Sampled (m²) 1.5	Number of Samples in Composite 1	Replicate No. _____ of _____
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Reason For Sampling

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

Water Temp. (C) 11.1	D.O. (mg/l) 10.4	D.O. (% sat.) 96.2	pH (su) 7.8	Conductivity (umhos/cm) 368.0	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 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) 0.4	Average Stream Width of reach (m) 4.0
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Composition of Substrate Sampled (Percent):

Bedrock: _____
 Boulders (basketball or larger): 10
 Rubble (tennisball to basketball): 70
 Gravel (ladybug to tennisball): 10
 Sand: 10
 Clay: _____
 Silt/Muck: _____
 Overhanging Vegetation: _____
 Aquatic Macrophytes: _____
 Leaf Snags: _____
 Coarse Woody Debris: _____
 Other (_____): _____

Embeddedness of Substrate at Sample Site (%) 20
Canopy Cover at Sample Site (%) 0

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

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter Logan Cutler	10/9/19	Taxonomist Dimrek Jeffrey	Estimated Percent of Sample Sorted 7%
		Specimens Saved 251 subsample archived in DBL until Jan 2022	
		BI	

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Isometra glossonae</i>	L	I	1	Hils 1982		
<i>Baetis tricaudatus</i>	L	II	7	Klub 2016		
<i>B. flavistriga</i> species complex	L	II	2	"		
<i>Ephemerella</i>	L	I	1	"	imm	
<i>Brachycentrus</i>	L	XIII	14	Hils 1985	imm	N
<i>B. americanus</i>	L	8-II	47	"		
<i>B. occidentalis</i>	L	0-II	28	"		
<i>Micrasema celidum</i>	L	III	4	"		
<i>Glossosoma intermedium</i>	L	III	3	Wyn Mar 2000		
<i>Cheumatopsyche</i>	L	-II	7	Hils 1985		
<i>Ceratopsyche glossonae</i>	L	♂ II	33	Schmitt Hils 1986		
<i>Lepidostoma</i>	L	I	1	Hils 1985		
<i>Pycnopsyche</i>	L	I	1	"		
<i>Dolioservus</i>	L	♂ I	36	Hils Schmitt 1982	imm	N
<i>D. fastidius</i> L, 30 A, 3	LA	♂ II	33	"		
<i>Simulium duberosum</i> species complex	L	II	2	Adl et al 2004		
<i>Simulium</i> <u>Stuber SC</u>	P	III	3	"		N
<i>Hemerodromia</i>	L	I	1	Court Mer 2008		
<i>Anocha</i>	L	III	3	Hils 1985		
<i>Dicranota</i>	L	I	1	"		
<i>Chironomidae</i> 08250002 <u>mid-1e</u>	P	I	1	Cranston 2013	dam	add FN
<i>Heterotrissocladius</i>	P	I	1	Ferret et al 2008		
<i>Parameletrocnemus</i>	P	I	1	"		
<i>Tvetenia</i>	P	I	1	"		N
<i>Caecidotea</i>	A	I	1	Will 1972	imm	
<i>Trombidiformes</i>	A	I	1	Thorp Reg 2016	imm	N
<i>Hygrobatas</i>	A	I	1	Pivchinn 1984		
<i>Lebertia</i>	A	I	1	"		
<i>Limnesia</i>	A	-	5	"		
<i>Sperchonopsis</i>	A	-	5	"		
<i>Megadrili</i> = <i>Metasynophora</i>	A	I	1	Thorp Reg 2016		
<i>Fossarina</i>	A	I	1	Brown 1991		
<i>Cladotanytarsus</i>	L	XIII	14	Epl et al 2013		
<i>Pogastria</i>	L	I	1	Seeth And 2013		
<i>Pogastria longimanus</i> group	L	I	1	"		
<i>Orthocladinae</i> 08300000	L	I	1	Cranston 2013	imm	N
<i>Orthocladus</i> (<i>Euorthocladus</i>) <i>luteipes</i>	L	I	1	Epler 2001		

