

Instructions: Bold fields must be completed.

Station Summary			
Waterbody Name LAWRENCE CREEK		Waterbody ID Code 167100	Sample ID (YYYYMMDD-CY-FD) 20171004-39-01
Sampling Location		Database Key 149253191	
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 STREAMS	
Sampling Device			
<input checked="" type="checkbox"/> D-Frame Kick Net <input type="checkbox"/> Surber Sampler <input type="checkbox"/> Eckman <input type="checkbox"/> Ponar <input type="checkbox"/> Artificial Substrate <input type="checkbox"/> Hess Sampler <input type="checkbox"/> Other: _____			
Habitat Sampled			
<input type="checkbox"/> Riffle <input checked="" type="checkbox"/> Run <input type="checkbox"/> Pool <input type="checkbox"/> Other <input type="checkbox"/> Shoreline Composite <input type="checkbox"/> Proportionally-Sampled Habitat <input type="checkbox"/> Littoral Zone <input type="checkbox"/> Profundal Zone <input type="checkbox"/> Wetland			
Total Sampling Time (min) 3	Estimated Area Sampled (m ²) 1.5	Number of Samples in Composite 1	Replicate No. _____ of _____
Reason For Sampling			
<input type="checkbox"/> Least Impacted Reference <input type="checkbox"/> Baseline <input type="checkbox"/> Impact / Treatment Site <input type="checkbox"/> Control Site <input checked="" type="checkbox"/> Trend <input type="checkbox"/> Other: _____			
Water Temp. (°C) 13.2°C 55.7°F	D.O. (mg/l) 9.1	D.O. (% sat.) 85.7	pH (su) 7.7
Conductivity (umhos/cm) 391.1		Transparency (cm) 120	
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)	
Measured Velocity circle units m/s or f/s	Average Stream Depth of reach (m) 1.0	Average Stream Width of reach (m) 5.0	
Composition of Substrate Sampled (Percent):			
Bedrock: _____	Boulders (basketball or larger): _____	Rubble (tennisball to basketball): <u>30</u>	Gravel (ladybug to tennisball): <u>10</u>
Sand: <u>50</u>	Clay: _____	Silt/Muck: _____	Overhanging Vegetation: _____
Aquatic Macrophytes: <u>10</u>	Leaf Snags: _____	Coarse Woody Debris: _____	Other (____): _____
Embeddedness of Substrate at Sample Site (%) <u>20</u>		Canopy Cover at Sample Site (%) <u>0</u>	

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:		
Other - Specify:					

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter	Kayla Wilcox	Taxonomist	Dimick, Jeffrey	Estimated Percent of Sample Sorted	70%
Date Processed	10/26/18	Specimens Saved	50 specimens archived in ABL until Jan 2022		

AI=389

subsample

Wisconsin Department of Natural Resources

ABL SampleNum: 20171004-39-01

Taxonomist: Dimick, Jeffrey

Waterbody: Lawrence Creek

SWIMS Database Key: 149253191

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Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Psectis flavistriga</i> species complex	L	1	1	Klub 2016		
<i>Brachycentrus americanus</i>	L	0-III	28	Hols 1985		
<i>B. occidentalis</i>	L	-II	7	"		
<i>Cnematoopsyche</i>	L	I	1	Hols 1985		
<i>Ceratopsyche stossena</i>	L	III	3	Schm Hols 1986		
<i>Microsema gelidum</i>	L	I	1	Hols 1985		
<i>Ceraclea</i>	L	I	1	Hols 1985		
<i>Hesperophylax designatus</i>	L	I	1	"		
<i>Optioservus</i>	L	-I	6	Hols Schm 1982	imm	N
<i>O. fastidius</i>	L	III	4	"		
<i>Hemerodromia</i>	L	-I	6	Court Merr 2008		
<i>Neonasta</i>	L	II	2	"		
Orthocladinae 08300001	P	I	1	Ferr et al 2008	dam	N
<i>Parametriocnemus</i>	P	I	1	"		
<i>Orthocladus</i>	P	-II	7	"		N
<i>Cammarus pseudolimnacus</i>	A	-III	8	Hols 1972		
<i>Caecidotea</i>	A	III	5	Will 1972	fem/imm	
<i>Hydrobates</i>	A	III	3	Pluch 1984		
<i>Lebertia</i>	A	-	5	"		
<i>Limnesia</i>	A	-III	8	"		
<i>Synchaeta</i>	A	I	1	"		
<i>Naidinae</i>	A	III	5	Bain Geld 1991		
<i>Pisidium</i>	A	III	3	Burch 1972		
Split A3 Chironomidae	L	-III JVD				
Tanypterinae 08270000	L	I	1	Cranston 2013	imm	Y
<i>Pogonocherus</i>	L	XIII	14	Seeth And 2013		
<i>Pogonocherus longimanus</i> group	L	I	1	"		
Orthocladinae 08300000	L	I	1	Cranston 2013	imm	N
<i>Thienemannimyia</i> group	L	I	1	Cran Epl 2013	imm	
<i>Parachaetocladius</i>	L	I	1	Andert 3 2013		
<i>Parakiefferiella</i>	L	III	3	"		
<i>Thienemannella xena</i>	L	I	1	Bolton 2012		
<i>Tvetenia bavaria</i> group	L	II	2	Boede 1983		
<i>Nanocladius</i>	L	I	1	Andert 3 2013		
<i>Orthocladus (Orthocladus)</i>	L	II	2	"		
<i>Cricotopus (Cricotopus) festuicellus</i> group	L	X-III	18	"		

