State of Wisconsin
Department of Natural Resources
PO Box 7291, Madison WI 53707-7291
dnr.wi.gov

Wadeable Macroinvertebrate Field Data Report

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

Station Summary

Waterbody Name	**Waterbody ID Code**	**Sample ID (YYYYMMDD-CY-FD)**
LAWRENCE CREEK	167100	20161005-39-01

Sampling Location	**Database Key**
US Eagle Ave.	133649579

SWIMS Station ID	**SWIMS Station Name**
393123	LAWRENCE CREEK - LAWRENCE CREEK

Latitude	**Longitude**	**Lat/Long Determination Method (circle)**	**Datum Used if using GPS**
43.894688	-89.56994	SWIMS SWDV GPS	WGS84 or NAD83

Basin (WMU)	**Watershed Name**	**County**
UPPER FOX	MONTELLO RIVER	MARQUETTE

Sample and Site Descriptors

Sample Collector (Last Name, First)	**Project Name**
DAVID BOLHA	NER LONG-TERM TREND WADEABLE REFERENCE STREAMS

Sampling Device

- [X] Kick Net
- [ ] Surber Sampler
- [ ] Eckman
- [ ] Ponar
- [ ] Artificial Substrate
- [ ] Hess Sampler
- [ ] Other: _____

Habitat Sampled

- [ ] Riffle
- [X] Run
- [ ] Pool
- [ ] Other
- [ ] Shoreline Composite
- [ ] Proportionally-Sampled Habitat
- [ ] Littoral Zone
- [ ] Profundal Zone
- [ ] Wetland

Total Sampling Time (min)	**Estimated Area Sampled (m^2)**	**Number of Samples in Composite**	**Replicate No.** ___ **of** ___
2	2	1	1 of 1

Reason For Sampling

- [ ] Least Impacted Reference
- [X] Baseline
- [ ] Impact / Treatment Site
- [ ] Control Site
- [X] Trend
- [ ] Other: _____

Water Temp. (C)	**D.O. (mg/l)**	**D.O. (%sat.)**	**pH (su)**	**Conductivity (umhos/cm)**	**Transparency (cm)**
51.8	8.25	74.7	7.62	389.2	120

Water Color

- [X] Clear
- [ ] Turbid
- [ ] Stained

Estimated Stream Velocity (m/s)

- [ ] Slow (< 0.15 m/s)
- [X] 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)**	**Average Stream Width of reach (m)**
	1.1	4

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): 20 Rubble (tennisball to basketball): 20 Gravel (ladybug to tennisball): 40

Sand: 20 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

D2-63
IA3-48
C2-85

20% Sand Kylawilca

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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:	N	N	**Sources of Stream Impacts**		
			Bank Erosion	N	N
Physical			Point Source - Specify:	N	N
Bank Erosion	N	N	Pasturing of Livestock	N	N
Channelization: - Upstream	N	N	Runoff: - Barnyard	N	N
- Dow nstream	N	N	- Construction	N	N
Hydraulic Scour / Channel Incision	N	N	- Cropland	N	PL
Impoundment: - Upstream	N	N	- Urban	N	N
- Dow nstream	PL	PL	Septic Systems	N	N
Low Flow	N	N	Tile Drainage - Organic Soils	N	PL
Sedimentation	N	N	- Mineral Soils	N	PL
Sludge	N	N	Springs	N	N
Thermal	N	N	Tributary(s)	N	N
Turbidity	N	N	Wetland	N	N
Other - Specify:			Other - Specify:		

Comments

Special Instructions for Laboratory

For Lab Use Only		
Sample Sorter: Wilcox, Kayla	Taxonomist: Dimick, Jeffrey	Estimated Percent of Sample Sorted: 20
Date Processed: 10/3/2017	Specimens Saved: subsample archived in ABL until Dec 2020	

Wisconsin Department of Natural Resources
ABL SampleNum: **20161005-39-01**
Taxonomist: Dimick, Jeffrey

Waterbody: **Lawrence Creek**
SWIMS Database Key: **133649579**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetis brunneicolor	L	III	3	Kluberdanz 2016		
B. flavistriga species complex	L	–	5	"		
JD ~~E~~ Telagangsis deficiens	L	I	1	"		
Brachycentrus americanus	L	X-I	16	Hilsenhoff 1985		
B. occidentalis	L	III	3	"		
Chevmatopsyche	L	I	1	Hilsenhoff 1995		
Ceratopsyche slossonae	L	I	1	Schm., Hils. 1986		
Pycnopsyche	L	I	1	Hilsenhoff 1995		
Sialis	L	I	1	"		
Optioservus	L	OII	22	Hils., Schm. 1992	imm	N
O. fastiditus	L	XIIII	14	"		
Probezzia	L	I	1	Hilsenhoff 1995		
Bezzia/Palpomyia	L	I	1	"		
Nemerodromia	L	–I	6	Courtney, Merr. 2008		
Simulium venustum species complex	L	I	1	Adler et al 2004		
Gammarus pseudolimnaeus	A	X–	15	Holsinger 1972		
Caecidotea racovitzai racovitzai	A	–III	8	Williams 1972		
Nycrobates	A	I	1	Pluchino 1984		
Tubificinae w/o capilliform chaetae	A	II	2	Klemm 1985		
Physella	A	I	1	Brown 1991		
Pisidium	A	IIII	4	Burch 1972		
~~Split A3 chironomidae~~	~~L~~	~~+ JD~~				
Diamesa	P	II	2	Fer. et al. 2008		
Pagastia	L	II	2	Saether, Ander. 2013		
Orthocladiinae	L	II	2	Cranston 2013	dam	Y
Parachaetocladius	L	–	5	Ander. + 3 2013		
Thienemanniella	L	I	1	"	dam	N
Th. baltoni	L	I	1	Bolton 2012		
Tvetenia bavarica group	L	I	1	Bode 1983		
Cladotanytarsus	L	8~~X~~01	71	Eper et al 2013		
Cryptochironomus	L	I	1	"		
Microtendipes pedellus group	L	II	2	"		