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

Wadeable Macroinvertebrate Field Data Report

Form 3200-081 (R 8/14)

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

Station Summary

Waterbody Name	**Waterbody ID Code**	**Sample ID (YYYYMMDD-CY-FD)**
LAWRENCE CREEK	167100	20201008-39-01

Sampling Location	**Database Key**
	250550809

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

Latitude	**Longitude**	**Lat/Long Determination Method (circle)**	**Datum Used if using GPS**
		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 STREAM

Sampling Device

- [X] D-Frame 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	1.5	1	

Reason For Sampling

- [ ] Least Impacted Reference
- [ ] 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)**
9.8	10.8	97.2	7.8	372.8	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)**
	0.7	5.0

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 50 Gravel (ladybug to tennisball): 30

Sand: 20 Clay: _____ Silt/Muck: _____ Overhanging Vegetation: _____

Aquatic Macrophytes: _____ Leaf Snags: _____ Coarse Woody Debris: _____ Other (_____): _____

Embeddedness of Substrate at Sample Site (%) 40 **Canopy Cover at Sample Site (%)** 0

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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
Biological		
Algae: - Diatoms / Periphyton	N	N
- Filamentous Algae	N	N
- Planktonic Algae	N	N
Iron Bacteria	N	N
Macrophytes	N	N
Slimes	N	N
Other - Specify:		
Physical		
Bank Erosion	N	N
Channelization: - Upstream	N	N
- Downstream	N	N
Hydraulic Scour / Channel Incision	N	N
Impoundment: - Upstream	N	N
- Downstream	PL	PL
Low Flow	N	N
Sedimentation	PL	PL
Sludge	N	N
Thermal	N	N
Turbidity	N	N
Other - Specify:		

Factors that may be influencing Water Resource Integrity	Local	Water-shed
Chemical		
Chlorine	N	N
Dissolved Oxygen	N	N
Nutrients (P, N...)	N	N
Toxics: - Inorganic (Metals)	N	N
- Organic (PCBs, pesticides...)	N	N
Other - Specify:		
Sources of Stream Impacts		
Bank Erosion	N	N
Point Source - Specify:	N	N
Pasturing of Livestock	N	N
Runoff: - Barnyard	N	N
- Construction	N	N
- Cropland	N	PL
- Urban	N	N
Septic Systems	N	N
Tile Drainage - Organic Soils	N	PL
- Mineral Soils	N	PL
Springs	N	N
Tributary(s)	N	N
Wetland	N	N
Other - Specify: Beaver Dam	U	N

Comments

New Beaver Dam just upstream of sample location

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter	Taxonomist	Estimated Percent of Sample Sorted
Raatz, Trevor	Dimick, Jeffrey	21.875 %
Date Processed	**Specimens Saved**	
11/30/2021	Subsample archived in ABL until Feb 2025	

D4Q4: 12
B3Q3: 10:22
D4Q1: 6:28
B3Q4: 5:33

D4Q3: 12:45
B3Q2: 14:59
D4Q2: 7:66
B3Q1: 6:72

A2Q3: 9:81
D2Q1: 12:93
A2Q4+2: 13:106
D2Q2: 15:121

A2Q1: 4:125

125

Wisconsin Department of Natural Resources
ABL SampleNum: **20201008-39-01**
Taxonomist: Dimick, Jeffrey

Waterbody: **Lawrence Creek**
SWIMS Database Key: **250550809**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetis brunneicolor	L	III	3	Klich 2016		
B. tricaudatus	L	/	5	"		
B. flavistriga species complex	L	-III	8	"		
Ephemerella	L	I	1	MCB 2019	imm	
Brachycentrus americanus	L	X 5	30	Wiggins 1985		
B. occidentalis	L	XII	12	"		
Glossosoma	L	I	1	MCB 2019	imm	
Ceratopsyche slossonae	L	-	5	Schmude 1986		
Cheumatopsyche	L	IIII	4	MCB 2019		
Hydroptila	L	I	1	"		
Lepidostoma	L	I	1	"		
Neotrichia	L	I	1	"	imm	
Oxyethira	L	IIII	4	"	imm	
Coleoptera (Helophoridae?)	L	I	1	"	dam	Y
Eukiefferiella	P	I	1	"		N
Thienemanniella	P	I	1	"		N
Tvetenia	P	II	2	"		
Simulium tuberosum species complex	P	I	1	Adler et al 2004		
S. venustum species complex	L	I	1	"		
Oxycera	L	I	1	MCB 2019		
Antocha	L	IIII	4	"		
Dicranota	L	/	5	"		
Caecidotea racovitzai racovitzai	A	II	2	Will 1972		
Nemata	A	I	1	Thorp Rog 2016		
Fossaria	A	I	1	Brown 1989		
Gyraulus	A	I	1	Thorp Rog 2016	dam	
Enchytraeidae	A	I	1	"		
Naidinae	A	I	1	Kathman 1998		
Tubificinae (with hairs)	A	I	1	"		Y
Tubificinae (without hairs)	A	I	1	"		Y
Lebertia	A	I	1	Peck et al 1990		
Sperchon	A	I	1	"		
Sperchonidae	A	III	3	"		N
~~Smittia Chironomidae~~	~~L~~	~~-III~~				
Pagastia	L	II	2	Andersen 2013		
Bezzia flavifrons	L	I	1	Epler 2001		

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Eukiefferiella claripennis group	L	IIII	4	Ad et al 2013		
Parametriocnemus	L	I	1	"		
Cladotanytarsus	L	OIII	23	"		
Thienemanniella	L	I	1	"	dam	
Chironominae	L	I	1	"	dam	Y
Micropsectra	L	II	2	"		
Polypedilum (Cresipedilum) aviceps	L	I	1	Bolton 2012		