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)**
WAUMANDEE CREEK	1808300	20181107-06-01

Sampling Location	**Database Key**
	169272808

SWIMS Station ID	**SWIMS Station Name**
10034995	COUNTY HIGHWAY E UPSTREAM - FISH STATION

Latitude	**Longitude**	**Lat/Long Determination Method (circle)**	**Datum Used if using GPS**
44.298355	-91.70428	SWIMS SWDV GPS	WGS84 or NAD83

Basin (WMU)	**Watershed Name**	**County**
BUFFALO - TREMPEALEAU	WAUMANDEE CREEK	BUFFALO

Sample and Site Descriptors

Sample Collector (Last Name, First)	**Project Name**
CAMILLE BRUHN	WEST DISTRICT NC STREAM STRATIFIED SITES 2018

Sampling Device

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

Habitat Sampled

- [X] Riffle
- [ ] 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** ___
1	12	1	1 of 1

Reason For Sampling

- [ ] Least Impacted Reference
- [ ] Baseline
- [ ] Impact / Treatment Site
- [ ] Control Site
- [ ] Trend
- [X] Other: Natural Community Stratified Random

Water Temp. (C)	**D.O. (mg/l)**	**D.O. (% sat.)**	**pH (su)**	**Conductivity (umhos/cm)**	**Transparency (cm)**

Water Color

- [ ] Clear
- [X] 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)**
	0.9	10

Composition of Substrate Sampled (Percent):

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

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

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

Embeddedness of Substrate at Sample Site (%) 30 **Canopy Cover at Sample Site (%)** 10

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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	PL	PL
Slimes	N	N
Other - Specify:		
Physical		
Bank Erosion	PL	PL
Channelization: - Upstream	N	N
- Downstream	N	N
Hydraulic Scour / Channel Incision	PL	PL
Impoundment: - Upstream	N	U
- Downstream	N	N
Low Flow	N	U
Sedimentation	PL	PL
Sludge	N	U
Thermal	N	U
Turbidity	PL	PL
Other - Specify:		

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

Comments
Sampled a Riffle About 25m DS of Bridge Crossing on C+H E

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter	Taxonomist	Estimated Percent of Sample Sorted
Logan Cutler	Dimick, Jeffrey	62%
Date Processed	Specimens Saved	
9/18/19	21 + 4 + 8 + 17 + 84 = 134	

A2 A1 D1 C3 | B2 C2 E1 B1 B3 E2 Total

2hr 2hr

subsample archived in ABL until Dec 2022

Wisconsin Department of Natural Resources
ABL SampleNum: **20181107-06-01**
Taxonomist: Dimick, Jeffrey

Waterbody: **Waumandee Creek**
SWIMS Database Key: **169272808**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetis brunneicolor	L	IIII	4	Klug 2016		
B. flavistriga species complex	L	II	2	"		
Ephemerella	L	I	1	"	imm	N
E. excrucians	L	III	3	"		
Brachycentrus occidentalis	L	II	2	Wils 1985		
Ceratopsyche slossonae	L	II	2	Schm Wils 1986		
Optioservus fastiditus	L	I	1	Wils Schm 1992		
Hemerodromia	L	I	1	Curt Mer 2008		
Simulium vittatum species complex 08110217	L	I	1	Adl et al 2004		
Antocha	L	II	2	Wils 1995		
Dicranota	L	I	1	"		
Diamesa	P	I	1	Fer et al 2008		
Cricotopus (Cricotopus)	P	I	1	Coff et al 1986		
Orthocladius (Orthocladius)	P	II	2	"		
Gammarus pseudolimnaeus	A	BBx1	96	Wils 1972		
Hygrobates	A	II	2	Pluch 1984		
Sperchonopsis	A	I	1	"		
Cyclopidae	A	I	1	Thorp Ros 2016		
Naidinae	A	IIII	4	Brinkhurst 1971		
Tubificinae (without hairs)	A	I	1	Klemm 1985		
~~Split A3 Chironomidae~~	~~L~~	~~INJ~~				
Diamesa	L	II	2	Saether And 2013		N
Eukiefferiella devonica group	L	I	1	And + 3 2013		
Orthocladius (Orthocladius)	L	I	1	"		N
Rheotanytarsus	L	II	2	Epler et al 2013		
Polypedilum (Uresipedilum) aviceps	L	II	7	Bolton 2012		

<23 taxa, TVAL ≤20