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)**
BOSTWICK CREEK	1650900	20181031-32-11

Sampling Location: ~25m US of barbed wire fence

Database Key: 169485256

SWIMS Station ID	**SWIMS Station Name**
10009119	BOSTWICK CREEK #7- FIELD RD. CROSSING ON TREMAINE PROPERTY

Latitude	**Longitude**	**Lat/Long Determination Method (circle)**	**Datum Used if using GPS**
43.804935	-90.99276	SWIMS SWDV GPS	WGS84 or NAD83

Basin (WMU)	**Watershed Name**	**County**
BAD AXE - LA CROSSE	LOWER LA CROSSE RIVER	LA CROSSE

Sample and Site Descriptors

Sample Collector (Last Name, First)	**Project Name**
CAMILLE BRUHN	BOSTWICK CREEK TWA 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	1	1	1 / 1

Reason For Sampling

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

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

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)**
	0.2	2.5

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 70 Gravel (ladybug to tennisball): 20

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

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

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

Comments Sampled ~25m US of barbed wire fence. Riffles changed from before the late August flood until now. Riffle areas have disappeared or changed and bank erosion & flood deposition are severe.

Special Instructions for Laboratory

Sample poorly preserved JJD

For Lab Use Only

Sample Sorter	Taxonomist	Estimated Percent of Sample Sorted
Logan Cutler	Dimick, Jeffrey	27%
Date Processed	**Specimens Saved**	
5/9/2019	37+34+26+30=127 Subsample archived in ABL until JUL 2022	

C3 C2 A3 B3 Total
3hr + 2hr

Wisconsin Department of Natural Resources
ABL SampleNum: **20181031-32-11**
Taxonomist: Dimick, Jeffrey

Waterbody: **Bostwick Creek**
SWIMS Database Key: **169485256**

	Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
	Baetis brunneicolor	L	xIII	13	Klub 2016		
1/23	B. tricaudatus	L	oIII	23	"		
	B. flavistriga species complex	L	I	1	"		
	Ephemerella	L	II	2	"	imm	N
2/25	E. excrucians	L	II	2	"		
	Hydropsychidae	L	II	2	Hils 1995	dam/imm	N
	Hydropsyche betteni	L	I	1	Schm Hils 1986		
	Ceratopsyche slossonae	L	/	5	"		
3/26	C. sparna	L	I	1	"		
4/27	Lepidostoma	L	I	1	Hils 1995		
	Pericoma	L	I	1	"		
	Simulium tuberosum species complex	L	I	1	Adl et al 2004		
	S. vittatum species complex 08110218	L	III	3	"		
	Muscidae	L	I	1	Court Merr 2008		
	Antocha	L	IIII	4	Hils 1995		
	Dicranota	L	III	3	"		
	Limonia	L	I	1	"		
	Tvetenia	P	I	1	Ferr et al 2008		
	Orthocladius (Orthocladius)	P	III	3	Coff et al 1986		
	Polypedilum	P	I	1	Ferr et al 2008		N
	Gammarus pseudolimnaeus	A	o	20	Hols 1972		
	Lebertia	A	I	1	Pluch 1984		
	Sperchonopsis	A	II	2	"		
	Enchytraeidae	A	I	1	Thorp Rog 2016		
	Naidinae	A	I	1	Brin Geld 1991		Y
	Ophidonais serpentina	A	I	1	Klemm 1985		
	~~Split A2 Chironomidae~~	~~L~~	~~8 ... JD~~				
	Corynoneura	L	I	1	And+3 2013		
	Zavrelimyia 08273000	L	I	1	Cran Epl 2013		
	Diamesa	L	II	2	Saeth And 2013		
	Orthocladiinae 08300000	L	I	1	Cranston 2013	imm	N
	Eukiefferiella claripennis group	L	/	5	And+3 2013		
	Parametriocnemus	L	II	2	"		
	Orthocladius	L	x/	15	"		N
	O. (Orthocladius)	L	x/	15	"		N
	Micropsectra	L	I	1	Epl et al 2013		

>3 taxa, TVAL ≤ 2.0
27 > (0.1 x 133)

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Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Polypedilum (Uresipedilum) arcticus	L	III	3	Bolton 2012		
P. (U.) flavum	L	I	1	"		
Rheotanytarsus	L	III	3	Epler et al 2013		