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	20181025-32-03

Sampling Location	**Database Key**
~ 50m DS of CTH II Bridge	169485248

SWIMS Station ID	**SWIMS Station Name**
10009117	BOSTWICK CREEK #5- 300 METERS DOWNSTREAM FROM CTY II BRIDGE

Latitude	**Longitude**	**Lat/Long Determination Method (circle)**	**Datum Used if using GPS**
43.824997	-91.02898	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)**
	0.25	4

Composition of Substrate Sampled (Percent):

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

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

Aquatic Macrophytes: 40 Leaf Snags: _____ Coarse Woody Debris: _____ Other (_____): _____

Embeddedness of Substrate at Sample Site (%) N/A **Canopy Cover at Sample Site (%)** 30

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)

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	PL	U
- Filamentous Algae	N	N
- Planktonic Algae	N	N
Iron Bacteria	PL	PL
Macrophytes	N	PL
Slimes	N	N
Other - Specify:		
Physical		
Bank Erosion	PH	PL
Channelization: - Upstream	N	PL
- Downstream	N	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	N	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	PH	PH
Point Source - Specify:	U	N
Pasturing of Livestock	PH	PH
Runoff: - Barnyard	PL	N
- Construction	N	N
- Cropland	PH	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 u 50m DS of CTH II Bridge. Riffle complex sampled - hard substrate & macrophytes in riffle. Flood in August flushed out some of the sediments, but created very eroded banks.

Special Instructions for Laboratory

3C = 14 | 2E = 41 | 1D = ~~X~~ | 1E = 54 | 1C = 25 | 3D = ~~X~~ | Total = 134

For Lab Use Only

Sample Sorter	Taxonomist	Estimated Percent of Sample Sorted
Murphy Steininger	Dimick, Jeffrey	27%
Date Processed	**Specimens Saved**	
4/30/2019	Subsample archived in ABL until Jul 2022	

Wisconsin Department of Natural Resources
ABL SampleNum: **20181025-32-03**
Taxonomist: Dimick, Jeffrey

Waterbody: **Bostwick Creek**
SWIMS Database Key: **169485248**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetis brunneicolor	L	𝍸-II	37	Klub 2016		
1/10 B. tricaudatus	L	-III	8	"		
Ephemerella	L	II	2	"	imm	N
2/9 E. excrucians	L	I	1	"		
3/10 Brachycentrus occidentalis	L	I	1	Wis 1985		
Hydropsyche	L	I	1	Wis 1995	imm	
Ceratopsyche slossonae	L	III	3	Schm Wis 1986		
Optioservus	L	II	2	Wis Schm 1992		
Ntoplasta	L	III	3	Court Merr 2008		
Simulium vittatum species complex 08110217	L	I	1	Adl et al 2004		
Gammarus pseudolimnaeus	A	𝍸-II	67	Wis 1972		
Caecidotea	A	I	1	Will 1972		
Mermithidae	A	I	1	Thorp Rog 2016	imm	
Pisidium	A	I	1	Burch 1972		
~~Subfz Chironomidae~~	L	~~-~~				
Parametriocnemus	L	II	2	And+3 2013		
Orthocladiinae 08300000	L	I	1	Cranston 2013	imm	N
Eukiefferiella claripennis group	L	I	1	And+3 2013		
Tvetenia bavarica group	L	I	1	Bode 1983		
Orthocladius (orthocladius)	L	I	1	And+3 2013		
Chironominae 08330000	L	I	1	Cranston 2013		
Paratanytarsus longistilus	L	I	1	Epl et al 2013		
Polypedilum (Polypedilum) illinoense group	L	I	1	Bolton 2012		
P. (Uresipedilum) aviceps	L	-	5	"		
Rheotanytarsus	L	II	2	Epl et al 2013		

3 taxa, TVAL ≤ 2.0
10 < (0.1 x 136)