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)**
UNNAMED	1651500	20181031-32-10

Sampling Location	**Database Key**
~60m US of confluence with Bostwick Creek at YY	169485284

SWIMS Station ID	**SWIMS Station Name**
10011179	UNNAMED CREEK (TOLLEFSON COULEE CREEK - CR. 28-16) - STA 1- BEGINNING

Latitude	**Longitude**	**Lat/Long Determination Method (circle)**	**Datum Used if using GPS**
43.82878	-91.09329	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)

- [X] 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)**
	0.15	1.5

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 20 Gravel (ladybug to tennisball): 60

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

C1	C3	D3	Total
35	61	53	149
96			

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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	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:		

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:		U
Sources of Stream Impacts		
Bank Erosion	PH	PH
Point Source - Specify:	N	N
Pasturing of Livestock	PH	PH
Runoff: - Barnyard	PL	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 good riffle area with gravel & rubble. Stream has changed drastically since we sampled fish this summer. The banks are much more eroded in some areas and filled in in other areas.

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter	Taxonomist	Estimated Percent of Sample Sorted
Joanna Erickson	Dimick, Jeffrey	20%
Date Processed	**Specimens Saved**	
5-8-19	Subsample archived in ABL until Jul 2022	

Wisconsin Department of Natural Resources rbody: **Unnamed Creek 28-16 (Tollefson Coulee Creek)**
ABL SampleNum: **20181031-32-10** SWIMS Database Key: **169485284**
Taxonomist: Dimick, Jeffrey

	Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
	Baetis	L	I	1	Klub 2016	dam	N
	B. brunneicolor	L	X	10	"		
4/11	B. tricaudatus	L	XI	11	"		
3/12	Brachycentrus occidentalis	L	I	1	Hils 1985		
3/13	Lepidostoma	L	I	1	Hils 1995		
	Simulium vittatum species complex 0811021	L	I	1	Adl et al 2004		
	Tvetenia	P	I	1	Fer et al 2008		
	Gammarus pseudolimnaeus	A	888-IIII	119	Hols 1972		
	Caecidotea racovitzai racovitzai	A	I	1	Will 1972		
	Enchytraeidae	A	I	1	Thorp Rog 2016		
	~~Split Az Chironomidae~~	~~L~~	~~>300~~				
	Parametriocnemus	L	I	1	And + 3 2013		
	Polypedilum (Uresipedilum) aviceps	L	III	3	Bolton 2012		
	Rheotanytarsus	L	I	1	Epl et al 2013		

3 taxa, TVAL ≤ 2.0

13 < (0.1x144)