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	887300	20171013-13-03

Sampling Location: 40m downstream CTH G

Database Key: 150694009

SWIMS Station ID	**SWIMS Station Name**
10042833	UNNAMED TRIB WBIC: 887300 AT HIGHWAY G BRIDGE

Latitude	**Longitude**	**Lat/Long Determination Method (circle)**	**Datum Used if using GPS**
42.93301	89.67561	SWIMS SWDV (GPS)	WGS84 or NAD83

Basin (WMU)	**Watershed Name**	**County**
SUGAR - PECATONICA	WEST BRANCH SUGAR RIVER - MT. VERNON	DANE

Sample and Site Descriptors

Sample Collector (Last Name, First)	**Project Name**
AMRHEIN, JAMES	WEST BRANCH SUGAR RIVER 303(D) EVALUATION

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	

Reason For Sampling

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

Water Temp. (C)	**D.O. (mg/l)**	**D.O. (% sat.)**	**pH (su)**	**Conductivity (umhos/cm)**	**Transparency (cm)**
11.3	10.03	91.7	7.73	486	

Water Color

- [X] Clear
- [ ] Turbid
- [ ] Stained

Estimated Stream Velocity (m/s)

- [ ] Slow (< 0.15 m/s)
- [ ] Moderate (0.15 m/s - 0.5 m/s)
- [X] 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)**

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): 80 Rubble (tennisball to basketball): _____ Gravel (ladybug to tennisball): 10

Sand: 10 Clay: _____ Silt/Muck: _____ Overhanging Vegetation: _____

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

Embeddedness of Substrate at Sample Site (%) 0 **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		
- Filamentous Algae		
- Planktonic Algae		
Iron Bacteria		
Macrophytes		
Slimes		
Other - Specify:		
Physical		
Bank Erosion		
Channelization: - Upstream		
- Dow nstream		
Hydraulic Scour / Channel Incision		
Impoundment: - Upstream		
- Dow nstream		
Low Flow		
Sedimentation		
Sludge		
Thermal		
Turbidity		
Other - Specify:		

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

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter: Kaylawilcox	Taxonomist: Dimock, Jeffrey	Estimated Percent of Sample Sorted: 13
Date Processed: 1/24/18	Specimens Saved: Subsample archived in MBL until Apr 2021	

A2=39
C2=100
139

Wisconsin Department of Natural Resources
ABL SampleNum: **20171013-13-03**
Taxonomist: Dimick, Jeffrey

Waterbody: **Unnamed Tributary (0887300)**
SWIMS Database Key: **150694009**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetis	L	I	1	Klubertanz 2016	dam	N
B. brunneicolor	L	XII	12	"		
1/8 B. tricaudatus	L	-III	8	"		
3/21 Brachycentrus occidentalis	L	XIII	13	Hilsenhoff 1985		
3/28 Glossosoma intermedium	L	-II	7	Wymer, Morse 2000		
Hesperophylax designatus	L	X	10	Hilsenhoff 1995		
Simulium tuberosum species group	L	I	1	Adler et al 2004		
S. vittatum species complex 08110218	L	I	1	"		
Antocha	L	II	2	Hilsenhoff 1995		
Tipula	L	I	1	"		
Gammarus pseudolimnaeus	A	BX	50	Holsinger 1972		
Tanypodinae 08270000	L	I	1	Cranston 2013	imm	
orthocladiinae 08300000	L	II	2	"	imm	N
Brillia	L	II	2	Ander. + 3 2013	imm	
Corynoneura	L	I	1	"		
Eukiefferiella claripennis group	L	III	3	"		
Tvetenia bavarica group	L	-II	7	Bode 1983		
Cricotopus/Orthocladius	L	I	1	Fer. et al. 2008	imm	N
Cricotopus (Cricotopus) tremulus group	L	I	1	Ande. + 3 2013		
Phaenopsectra obediens group	L	I	1	Epler 2001	imm	
Polypedilum (Uresipedilum) aviceps	L	-II	7	Bolton 2012		
P. (U.) flavum	L	I	1	"		

3 taxa, TVAL ≤ 2.0

28 > (0.1 × 127)