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)**
WEST BRANCH SUGAR RIVER	886100	20171003-13-04

Sampling Location: 50 m upstream STH 92

Database Key: 150693368

SWIMS Station ID	**SWIMS Station Name**
10040631	WEST BRANCH SUGAR RIVER W OF STH 92

Latitude	**Longitude**	**Lat/Long Determination Method (circle)**	**Datum Used if using GPS**
42.91351	89.62262	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

- [ ] Riffle
- [X] 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 ____**
5	3	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)**
15.1	10.84	107.7	7.89	649	

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)**

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): 20 Rubble (tennisball to basketball): 50 Gravel (ladybug to tennisball): 30

Sand: _____ 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 (%)** 20

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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: Kayla Wilcox	Taxonomist: Dimick, Jeffrey	Estimated Percent of Sample Sorted: 13%
Date Processed: 1/23/18	Specimens Saved: Subsample archived in ABL until Apr 2021	

DI=86
A2=57
143

Wisconsin Department of Natural Resources
ABL SampleNum: **20171003-13-04**
Taxonomist: Dimick, Jeffrey

Waterbody: **West Branch Sugar River**
SWIMS Database Key: **150693368**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Stenacron	L	II	2	Klebertanz 2016	imm	N
S. interpunctatum	L	IIII	8	"		
Ceratopsyche	L	I	1	Hilsenhoff 1995	imm	N
C. bronta	L	IIII	4	Schm., Hils 1986		
Odoesevus	L	II	2	Hils., Schm. 1992	imm	N
O. fastiditus	L	IIII	7	"		
~~U~~ Parakiefferiella	P	I	1	Fers. et al. 2008		
Orthocladius (Orthocladius)	P	II	2	Coff. et al. 1986		
Cricotopus (Cricotopus)	P	IIII	3	"		
Gammarus pseudolimnaeus	A	X-IIII	19	Holsinger 1972		
Coecidotea	A	-I	6	Williams 1972	Fem/imm	
Mermithida	A	III	3	Poinar 1991	imm	
Naidinae	A	X-III	19	Brinkh., Geld. 1991		
Tubificoid Naididae w/o capilliform chaetae	A	II	2	Erseus et al 2008		
Thienemanniella group	L	I	1	Cranston, Epler 2013	mt. indet	
Orthocladiinae OB300000	L	II	2	Cranston 2013	mt. indet	
Brillia flavifrons	L	I	1	Epler 2001		
Eukiefferiella claripennis group	L	II	2	Ander. et al. 2013		
Parakiefferiella	L	XIII	13	"		
Thienemanniella	L	I	1	"	dam	
Tvetenia bavarica group	L	IIII	4	Boda 1983		
Orthocladius (Orthocladius)	L	-	5	Ander. + 3 2013		
Cricotopus/Orthocladius	L	III	3	Fers. et al. 2008	~~mt. indet~~ imm	N
Cricotopus	L	I	1	Ander. + 3 2013		N
C. (Cricotopus) bicinctus group	L	III	3	"		
C. (C.) tremulus group	L	X	10	"		
Psectrocladius	L	I	1	"	imm	
chironomine OB330000	L	I	1	Cranston 2013	imm	N
cladotanytarsus	L	X-II	17	Epler et al 2013		
Cryptochironomus	L	I	1	"		
Dicrotendipes	L	I	1	"		
Microspectra	L	III	3	"		
Microtendipes pedellus group	L	II	2	"		
Polypedilum (Polypedilum) laetum group	L	I	1	Bolton 2012		
Rheotanytarsus	L	-I	6	Epler et al 2013		