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	20171003-13-02

Sampling Location: 10 m upstream of Barton Rd

Database Key: 150693348

SWIMS Station ID: 10009700

SWIMS Station Name: WEST BRANCH SUGAR AT BARTON RD (SEGMENT #15)

Latitude	**Longitude**	**Lat/Long Determination Method (circle)**	**Datum Used if using GPS**
45.97443	89.73472	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): AMRHEIN, JAMES

Project Name: 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 ____**
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)**
14.8	9.62	94.8	7.8	1118	

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)**

Composition of Substrate Sampled (Percent):

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

Sand: 30 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 (%)** 100

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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	Factors that may be influencing Water Resource Integrity	Local	Water-shed
Biological			**Chemical**		
Algae: - Diatoms / Periphyton			Chlorine		
- Filamentous Algae			Dissolved Oxygen		
- Planktonic Algae			Nutrients (P, N...)		
Iron Bacteria			Toxics: - Inorganic (Metals)		
Macrophytes			- Organic (PCBs, pesticides...)		
Slimes			Other - Specify:		
Other - Specify:			**Sources of Stream Impacts**		
			Bank Erosion		
Physical			Point Source - Specify:		
Bank Erosion			Pasturing of Livestock		
Channelization: - Upstream			Runoff: - Barnyard		
- Dow nstream			- Construction		
Hydraulic Scour / Channel Incision			- Cropland		
Impoundment: - Upstream			- Urban		
- Dow nstream			Septic Systems		
Low Flow			Tile Drainage - Organic Soils		
Sedimentation			- Mineral Soils		
Sludge			Springs		
Thermal			Tributary(s)		
Turbidity			Wetland		
Other - Specify:			Other - Specify:		

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter	Taxonomist	Estimated Percent of Sample Sorted
Macayla Cain	Dimick, Jeffrey	7%
Date Processed	**Specimens Saved**	
4/18/18	Subsample archived in ABL until Apr 2021	

E2 (199)

Wisconsin Department of Natural Resources
ABL SampleNum: **20171003-13-02**
Taxonomist: Dimick, Jeffrey

Waterbody: **West Branch Sugar River**
SWIMS Database Key: **150693348**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetis brunneicolor	L	011	22	Kluberton 2016		
B. flavistriga species complex	L	-1111	9	"		
Hydropsyche betteni	L	-	5	Schm, Hils. 1986		
Optioservus	L	5111	34	Hils. Schm. 1992	imm	N
O. fastiditus L, 45 A, 6	L, A	8x1	51	"		
Muscidae	L	1	1	Courk, Merr. 2008		
Gammarus pseudolimnaeus	A	0-	25	Holsinger 1972		
Isopoda	A	x	10	Kobza 1991		
Mermithida	A	1	1	Poinar 1991	imm	
Enchytraeidae	A	1	1	Brin, Gelf. 1991		
Naididae	A	11	2	"		
Tubificoid Naididae w/o capilliform chaetae	A	1	1	Ersen et al 2008		
Pisidium	A	11	2	Burch 1972		
Thienemanniella group	L	1	1	Cow, Epler 2013	imm	
Tvetenia bavarica group	L	1	1	Bode 1983		
Chironomini 08330000	L	11	2	Cranston 2013	mt indet	N
Cryptochironomus	L	1	1	Epler et al 2013		
Micropsectra	L	111	3	"		
Paratanytarsus longistilus	L	x3-1111	39	"		
Polypedilum (Uresipedilum) aviceps	L	1	1	Bolton 2012		