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)**
LITTLE BARABOO RIVER	1282500	20180910-57-03

Sampling Location US Beier Rd. | **Database Key** 169211498

SWIMS Station ID	**SWIMS Station Name**
10011056	LITTLE BARABOO RIVER AT BEIER RD. UP TO WOOLEVER RD.

Latitude	**Longitude**	**Lat/Long Determination Method (circle)**	**Datum Used if using GPS**
43.572914	-90.26764	SWIMS SWDV GPS	WGS84 or NAD83

Basin (WMU)	**Watershed Name**	**County**
LOWER WISCONSIN	CROSSMAN CREEK AND LITTLE BARABOO F	SAUK

Sample and Site Descriptors

Sample Collector (Last Name, First)	**Project Name**
JEAN UNMUTH	LITTLE BARABOO RIVER TWA 2018

Sampling Device

- [X] D-Frame Kick Net
- [ ] Surber Sampler
- [ ] Eckman
- [ ] Ponar
- [ ] Artificial Substrate
- [ ] Hess Sampler
- [ ] Other: _____

Habitat Sampled

- [✓] 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** ___
4.0	1.0		1 of 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)**
12.7	10.3	101	7.7		120

Water Color

- [✓] Clear
- [ ] Turbid
- [ ] Stained

Estimated Stream Velocity (m/s)

- [✓] Slow (< 0.15 m/s)
- [ ] Moderate (0.15 m/s - 0.5 m/s)
- [ ] Fast (> 0.5 m/s)

Measured Velocity	circle units	**Average Stream Depth of reach (m)**	**Average Stream Width of reach (m)**
0.01	(m/s) or f/s	0.20	1.0

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 40 Gravel (ladybug to tennisball): 40

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

Aquatic Macrophytes: _____ Leaf Snags: 10 Coarse Woody Debris: _____ Other (_____): _____

Embeddedness of Substrate at Sample Site (%) 20 **Canopy Cover at Sample Site (%)** 60

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		
- Filamentous Algae	PL	
- Planktonic Algae		
Iron Bacteria	N	
Macrophytes	N	
Slimes	N	
Other - Specify:		
Physical		
Bank Erosion	PH	PH
Channelization: - Upstream	N	N
- Downstream	N	N
Hydraulic Scour / Channel Incision	PH	PH
Impoundment: - Upstream		
- Downstream		
Low Flow	N	N
Sedimentation	PH	PH
Sludge		
Thermal		
Turbidity		
Other - Specify:		

Factors that may be influencing Water Resource Integrity	Local	Water-shed
Chemical		
Chlorine	N	
Dissolved Oxygen	N	
Nutrients (P, N...)	PH	
Toxics: - Inorganic (Metals)		
- Organic (PCBs, pesticides...)		
Other - Specify:		
Sources of Stream Impacts		
Bank Erosion	PH	PH
Point Source - Specify:		
Pasturing of Livestock	PL	PH
Runoff: - Barnyard	N	
- Construction	N	
- Cropland	PL	
- 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	Taxonomist	Estimated Percent of Sample Sorted
Sam Lamarche	Dimick, Jeffrey	33%
Date Processed	**Specimens Saved**	
4/11/19	subsample archived on ABL mbi 1 Jun 2022	

C3 D1 D3 C1 B2
24 31 23 34 23 - 135 total

Wisconsin Department of Natural Resources
ABL SampleNum: **20180910-57-03**
Taxonomist: Dimick, Jeffrey

Waterbody: **Little Baraboo River**
SWIMS Database Key: **169211498**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetis tricaudatus	L	I	1	Kluth 2016		
B. flavistriga speeres complex	L	I	1	"		
Maccaffertium mediopunctatum	L	V	2	"		
M. vicarium	L	X	10	"		
Helicopsyche borealis	L	I	1	Hils 1995		
Hydropsychidae	L	I	1	"	imm	N
Cheumatopsyche	L	X-IIII	19	"		
Hydropsyche betteni	L	5 4	32	Schm Hils 1986		
Ceratopsyche alhedra	L	-	5	"		
C. bronta	L	III	2	"		
C. slossonae	L	-	5	"		
C. sparna	L	I	1	"		
Macronychus glabratus	L	I	1	Hils Schm 1992		
Optioservus	L	I	1	"	imm	N
O. fastiditus L.5 A.3	L,A	-III	8	"		
Stenelmis	L	II	2	"		N
S. crenata	A	0-	25	"		
Atherix variegata	L	IIII	4	Hils 1995		
Hemerodromia	L	I	1	Courtney 2008		
Antocha	L	I	1	Hils 1995		
Tvetenia	P	II	2	Fer et al 2008		N
Gammarus pseudolimnaeus	A	I	1	Hols 1972		
Sphaerium	A	III	3	Burch 1972		
Thienemanniella group	L	I	1	Cran Epl 2013		
Tvetenia bavarica group	L	X	10	Bode 1983		
Tanypodinae 08270000	L	I	1	Cranston 2013	imm	N
Rheotanytarsus	L	I	1	Epl et al 2013		